

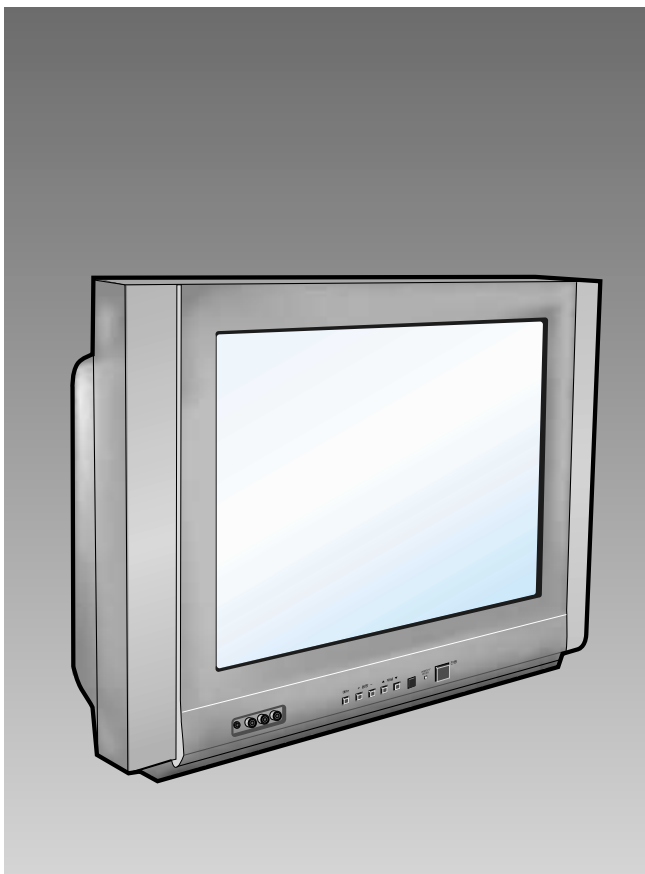


COLOR TELEVISION RECEIVER

Chassis : KS2A(N)
Model : CL15A8L7X/GSU CL15A8L7X/RCL
CL15A8L7X/STR CL21A8W7X/GSU
CL21A8W7X/RCL CL21A8W7X/STR
CL25A6W7X/RCL

SERVICE *Manual*

COLOR TELEVISION RECEIVER



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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.
2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.
3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).
5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

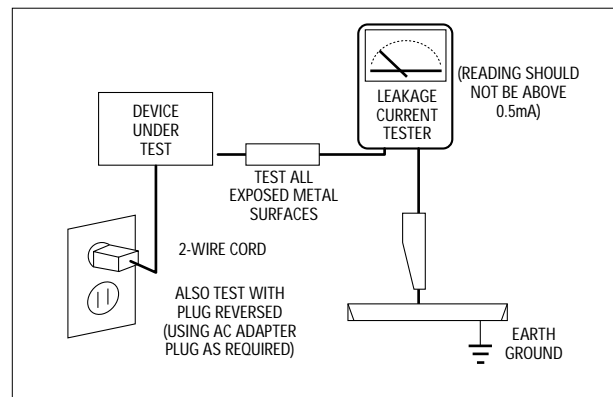


Fig. 1-1 AC Leakage Test



6. Antenna Cold Check:
With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.
7. X-ray Limits:
The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.
8. High Voltage Limits:
High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced.
(X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

Heed the high voltage limits. These include the X-ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.
10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.
11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.
12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.
13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.
14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.
15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.
16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.
17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.
18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

Components that are critical for safety are indicated in the circuit diagram by shading, () or ().
Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.
2. Always unplug the unit's AC power cord from the AC power source before attempting to:
(a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.
3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.
5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (“solid state”) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)
3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.
4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.
5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.
6. Use only an anti-static solder removal device. Many solder removal devices are not rated as “anti-static”; these can accumulate sufficient electrical charge to damage ESDs.
7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Reference Information

2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

| | | | |
|------|--|-----|------------------------|
| A | Ampere | MV | Megavolt |
| Ah | Ampere-hour | MW | Megawatt |
| Å | Angstrom | MΩ | Megohm |
| dB | Decibel | m | Meter |
| dBm | Decibel Referenced to One Milliwatt | μA | Microampere |
| °C | Degree Celsius | μF | Microfarad |
| °F | Degree Fahrenheit | μH | Microhenry |
| °K | degree Kelvin | μm | Micrometer |
| F | Farad | μs | Microsecond |
| G | Gauss | μW | Microwatt |
| GHz | Gigahertz | mA | Milliampere |
| g | Gram | mg | Milligram |
| H | Henry | mH | Millihenry |
| Hz | Hertz | ml | Milliliter |
| h | Hour | mm | Millimeter |
| ips | Inches Per Second | ms | Millisecond |
| kWh | Kilowatt-hour | mV | Millivolt |
| kg | Kilogram | nF | Nanofarad |
| kHz | Kilohertz | Ω | Ohm |
| kΩ | Kilohm | pF | Picofarad |
| km | Kilometer | lb | Pound |
| km/h | Kilometer Per Hour | rpm | Revolutions Per Minute |
| kV | Kilovolt | rps | Revolutions Per Second |
| kVA | Kilovolt-ampere | s | Second (Time) |
| kW | Kilowatt | V | Volt |
| l | Liter | VA | Volt-ampere |
| MHz | Megahertz | W | Watt |
| | | Wh | Watt-hour |

Table 2-2 Table of Acronyms

| | | | |
|-------|---|--------|---|
| ABL | Automatic Brightness Limiter | I/O | Input/output |
| AC | Alternating Current | L | Left |
| ACC | Automatic Chroma Control | L | Low |
| AF | Audio Frequency | LED | Light Emitting Diode |
| AFC | Automatic Frequency Control | LF | Low Frequency |
| AFT | Automatic Fine Tuning | MOSFET | Metal-Oxide-Semiconductor-Field-Effect-Tr |
| AGC | Automatic Gain Control | MTS | Multi-channel Television Sound |
| AM | Amplitude Modulation | NAB | National Association of Broadcasters |
| ANSI | American National Standards Institute | NEC | National Electric Code |
| APC | Automatic Phase Control | NTSC | National Television Systems Committee |
| APC | Automatic Picture Control | OSD | On Screen Display |
| A/V | Audio-Video | PCB | Printed Circuit Board |
| AVC | Automatic Volume Control | PLL | Phase-Locked Loop |
| BAL | Balance | PWM | Pulse Width Modulation |
| BPF | Bandpass Filter | QIF | Quadrature Intermediate Frequency |
| B-Y | Blue-Y | R | Right |
| CATV | Community Antenna Television (Cable TV) | RC | Resistor & Capacitor |
| CB | Citizens Band | RF | Radio Frequency |
| CCD | Charge Coupled Device | R-Y | Red-Y |
| CCTV | Closed Circuit Television | SAP | Second Audio Program |
| Ch | Channel | SAW | Surface Acoustic Wave(Filter) |
| CRT | Cathode Ray Tube | SIF | Sound Intermediate Frequency |
| CW | Continuous Wave | SMPS | Switching Mode Power Supply |
| DC | Direct Current | S/N | Signal/Noise |
| DVM | Digital Volt Meter | SW | Switch |
| EIA | Electronics Industries Association | TP | Test Point |
| ESD | Electrostatic Discharge | TTL | Transistor Transistor Logic |
| ESD | Electrostatically Sensitive Device | TV | Television |
| FBP | Feedback Pulse | UHF | Ultra High Frequency |
| FBT | Flyback Transformer | UL | Underwriters Laboratories |
| FF | Flip-Flop | UV | Ultraviolet |
| FM | Frequency Modulation | VCD | Variable-Capacitance Diode |
| FS | Fail Safe | VCO | Voltage Controlled Oscillator |
| GND | Ground | VCXO | Voltage Controlled Crystal Oscillator |
| G-Y | Green-Y | VHF | Very High Frequency |
| H | High | VIF | Video Intermediate Frequency |
| HF | High-Frequency | VR | Variable Resistor |
| HI-FI | High Fidelity | VTR | Video Tape Recorder |
| IC | Inductance-Capacitance | VTVM | Vacuum Tube Voltmeter |
| IC | Integrated Circuit | TR | Transistor |
| IF | Intermediate Frequency | | |

2-2 IC Line Up

| Table 2 - 3 IC Line - Up | | | | | |
|--------------------------|-------|---------|------------------|--------------------------|----------------------|
| NO | BOARD | LOC. NO | SPEC | DESCRIPTION | REMARK |
| 1 | MAIN | IC201S | VDP3112B | Video Processor | Refer to Table 2-3-1 |
| | | IC601 | MSP3440D | NTSC Sound Processor | |
| | | IC901 | SDA555X | MICOM, Caption (MTP) | |
| | | IC902 | KS24L161 | EEPROM | |
| | | IC602 | TDA7297 | Audio AMP | Refer to Table 2-3-2 |
| | | HIC201 | DRGB001 | RGB Drive AMP Hybrid IC | VM Option |
| | | IC301 | LA7845 | Vertical IC | |
| | | Q401 | KSD5703 | Horizontal Drive IC | DH01 |
| | | D409 | FMP-3FU | | |
| | | IC401 | KA393 | E/W Drive IC | |
| | | Q404 | IRF620 | | |
| | | IC801S | 3S1265R | SPS Controllor | Option |
| | | D801S | RBV606 | Bridge Diode | |
| | | PC801S | PC123Y | Photo Coupler | |
| | | IC805 | KA78R05 | 5V Controlled Regulator | DDR01 |
| | | D806 | FML-G12S | Rectifier Diode | |
| | | D807 | | | |
| | | D805 | FMG-G26S | | |
| | | IC804 | KA7806 | 6V Regulator | |
| | | IC803 | KA78R08 | 8V Controlled Regulator | |
| | | IC903 | KA78RM33 | 3.3V Regulator | |
| | | IC904 | KIA7025AP | MICOM Reset IC | |
| | | Q909 | 2N7000 | IIC Level Shifter | |
| | | Q910 | | | |
| | | TU01 | TCPN3081PA09A(S) | Main Tuner with IF Block | |
| | | D813 | FML-G12S | Rectifier Diode | |

| Table 2 - 3 IC Line - Up | | | | | |
|--------------------------|-------|---------|----------|--------------------------------------|--------|
| NO | BOARD | LOC. NO | SPEC | DESCRIPTION | REMARK |
| 2 | CRT | IC501 | TDA6101Q | Video Output AMP R.G.B Drive | |
| | | IC502 | | | |
| | | IC503 | | | |
| | | QF04 | 2SC2344 | Push-Pull (VM) | Option |
| | | QF05 | 2SA1011 | | |
| 3 | V-S/W | ICS01 | TEA6425 | Video Switching IC with Adder Output | Option |
| 4 | PIP | ICP01 | SDA9388X | High-end Picture-In Picture IC | Option |

Table 2-3-1 VIDEO IC

| SPEC | FUNCTION | REMARK |
|----------|---------------------------|--------|
| VDP3108B | Basic 1H Comb Filter | |
| VDP3130Y | 2H Comb Filter, DVD Input | |

Table 2-3-2 SOUND AMP

| SPEC | FUNCTION | REMARK |
|----------|---------------------|--------|
| TDA7297 | 7W x 2CH, 10W x 2CH | |
| TDA7266S | 3W x 2CH, 5W x 2CH | |

3. Specifications

| | | | |
|--------------------------|---------------------|------------------------------|------------------|
| Television System | Multi | NTSC-M, PAL N.M | Option |
| Antena Input | | 75ohms, Coaxial Cable | |
| Power | Consumption | 160W (Applied When 29" Flat) | Option |
| | Requirements | Free Volts(100V-240Volts) | Option |
| | | Free Voltage | Not Present R815 |
| | Frequency | 50/60Hz | |
| Sound | Output | 15W x 2CH | |
| | | 10W x 2CH | |
| | | 5W x 2CH | |
| | Effect | Vitual Dolby | Option |
| | | Turbo Sound | |
| | | Pseudo Stereo | |
| Jacks | Front (AV2) | RCA Input | |
| | | S-VHS | Option |
| | | Head-Phone | |
| | Back | 2 AV Input | |
| | | DVD Input(YPbPr) | Option |
| | | AV2 Monitor Audio Output | Option |
| | | S-VHS | Option |

Specifications are subject to change.

4. Alignment and Adjustments

4-1 General Alignment Instructions

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.
2. Observe the picture for good black and white details. There should be objectionable color shading; if color shading is present, demagnetize, perform purity and convergence adjustments described below.
3. Use the specified test equipment or its equivalent.
4. Correct impedance matching is essential.
5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.
6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
8. To protect against shock hazard, use an isolation transformer.

4-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set is moved or turned in a different direction, the power should be OFF for at least 10 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before turning power OFF.

If color shading persists, perform the following Color purity and Convergence adjustments.

4-3 High Voltage Check

CAUTION : There is no high voltage adjustment on this chassis. The B+ power supply should be +135 volts (with full color- bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.
2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).
3. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 30 KV under any conditions.

4-4 FOCUS Adjustment

1. Input a black and white signal.
2. Adjust the tuning control for the clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-5 SCREEN Adjustment

1. Input Toshiba Pattern
2. Enter "Service Mode".(Refer to "4-8-1 Service Mode")
3. Select "G2-Adjust".
4. Set the values as below.

Table 1. Screen Adjustment Table

| No | INCH / CRT | IBRM | WDRV | CDL | COLR G B (Smallest Value) | REGION |
|----|----------------|------|------|-----|------------------------------|--------|
| 1 | 14" / SDI | 205 | 35 | 100 | 100 | Normal |
| 2 | 15PF / SDI | 220 | 35 | 180 | 100 | |
| 3 | 21" 1.7R / SDI | 220 | 35 | 180 | 100 | |
| 4 | 20V 10.0R/SDI | 205 | 35 | 115 | 120 | |
| 5 | 21PF / TSB | 220 | 35 | 180 | 65 | |
| 6 | 21PF / LG | 230 | 35 | 230 | 65 | |
| 7 | 21PF / SDI | 220 | 35 | 210 | 65 | |
| 8 | 25PF / SDI | 210 | 35 | 160 | 120 | |
| 9 | 27V 1.3R / SDI | 210 | 35 | 170 | 150 | |
| 10 | 27V 1.0R/SDI | 210 | 35 | 150 | 180 | |
| 11 | 25V 1.0R/SDI | 210 | 35 | 150 | 180 | |
| 12 | 23V 1.3R/SDI | 205 | 35 | 120 | 140 | |

5. Turn the SCREEN VR until "MRCR G B" and "MRWDG" are green and those value are about 100.
(The incorrect SCREEN Voltage may result that "MRCR G B" and "MRWDG" should be red)

4-6 E²PROM (IC902) Replacement

1. When IC902 is replaced, all adjustment data revert to the initial values.
So, all adjustment values when servicing should be readjusted.
2. After IC902 is replaced, connect the AC power supply cord.
3. Turn the power switch ON.
4. In stand-by, warm up the TV for at least 10 seconds.
5. Power on the TV.

4-7 White Balance Adjustment

■ Equipment : Color-Analyzer (CA-100)

■ Input Signal : Pattern signal (Toshiba pattern)

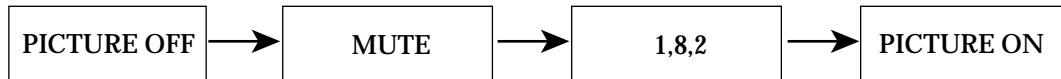
1. Select STANDARD from the menu.
2. Input an 100% White pattern.
3. Enter the "Service Mode". (Refer to "4-8 Service Mode")
4. Warm up the TV set at least for 30 minutes.
5. Input a Toshiba pattern signal.
6. Enter the "Video Adjust1".
 - Adjust "Sub Contrast" so that Y (luminance) becomes $65 \text{ ft} \pm 3$.
 - Use "Red Drive" and "Blue Drive" to adjust High-Light (x : 265, y : 265)
 - Adjust "Sub Bright" so that Y (luminance) becomes $1.2 \text{ ft} \pm 0.3$.
 - Use "Red Cutoff" and "Blue Cutoff" to adjust Low-Light (x : 265, y : 265).
7. Adjust CA-100 so that the final adjustment value can be fixed.
8. Use the Channel Up/Down (▲/▼) buttons to move the cursor on the adjustment modes.
9. Use the Volume +/- buttons to change the adjustment value.

4-8 Factory Adjustment

4-8-1 Service Mode

1. To enter the "Service Mode", Press the remote-control keys in this sequence :

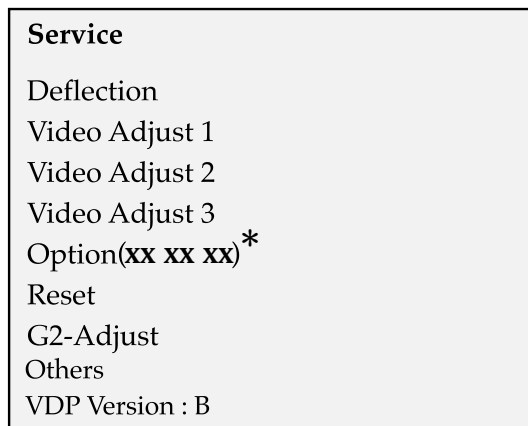
- If you do not have Factory remote-control



- If you have Factory remote-control



2. After the Service Mode is entered, the initial screen is as shown in the figure below.



* These hexa digits are check sum value which depends on the MICOM version.
If check sum value is changed, the value of E²PROM Data newly initialed.

3. Use the Channel Up/Down buttons to move the cursor in the adjustment parameters.

Note :

- When CRT, CRT PCB, FBT, E²PROM (sometimes MICOM) is replaced, the adjustment values should be controlled.
- After the Service adjustment is completed, Do not select "Reset" in the service mode menu.
(After above procedure is done, power is on initially and the "Plug and Play" will be operated.)

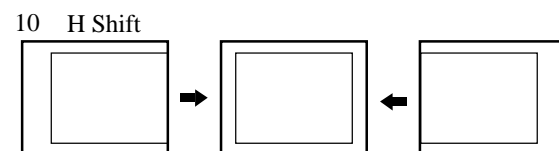
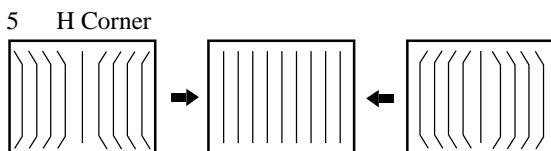
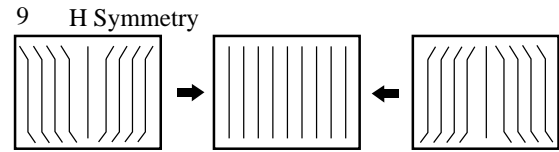
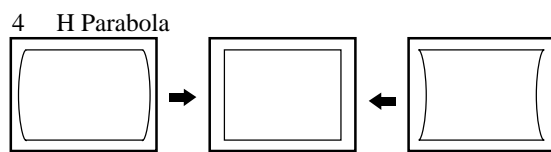
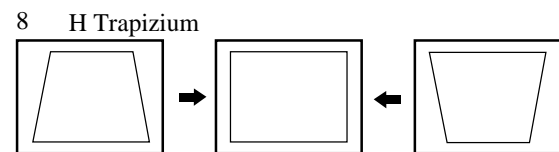
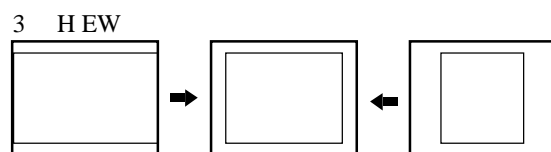
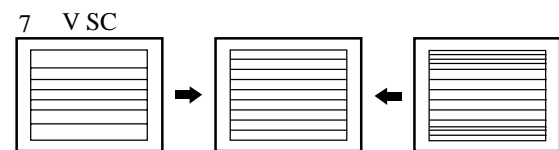
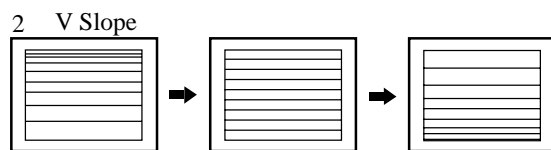
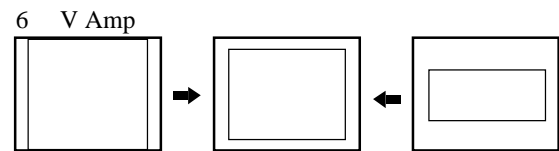
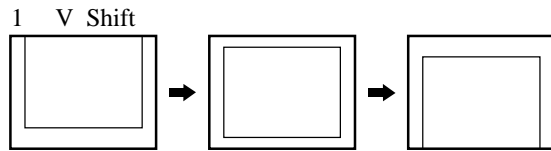
4-8-2 Deflection (Memory Data)

- SIM408A USA, LATIN FACTORY (VDP IC VDP3108B)

4-8-2(A) GEOMETRIC ADJUSTMENT VALUE

| INCH | | | 27V 1.3R | 23V 1.3R | 25V 1R | 27V 1R | 20V 1R | 15" FLAT |
|----------------|------|---------|----------|----------|---|--------------------|-------------------------------|----------|
| Model | | | TXK2767 | CL25D4W | TXK2550 TXK2554 TXK2566 TXK2567 CL663BW | TXK2750 TXK2754 | TXK2060 TXK2066 TXK2067 | CT-15A8 |
| DEFLECTION | INIT | | | | | | | |
| H Bow | 0 | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| H Angle | 0 | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| H Dsc | 0 | FIX | 3 | 3 | 3 | 3 | 3 | 3 |
| V SHIFT | -40 | Control | -27 | -24 | -18 | -18 | -40 | -35 |
| V AMP | 5 | Control | -50 | -41 | 18 | 18 | 5 | 20 |
| V SLOPE | -2 | Control | -7 | -4 | -4 | -4 | -2 | -4 |
| V SC | -7 | FIX | 0 | -13 | -13 | -13 | -13 | -13 |
| H EW | 64 | Control | 10 | -37 | 64(FIX) | 64(FIX) | 64(FIX) | 64(FIX) |
| H TRAPEZIUM | -20 | Control | -82 | -48 | -20(FIX) | -20(FIX) | -20(FIX) | -20(FIX) |
| H PARABOLA | -13 | Control | -89 | -44 | -13(FIX) | -13(FIX) | -13(FIX) | -13(FIX) |
| H SYMMETRY | 13 | FIX | 13 | 13 | 13 | 13 | 13 | 13 |
| H CORNER | 15 | Control | 0 | 69 | 69(FIX) | 69(FIX) | 69(FIX) | 69(FIX) |
| H SHIFT | 4 | Control | 0 | 8 | 13 | 13 | 4 | 13 |
| PIP CONTRAST | | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| PIP TINT | | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| PIP PAL V.POS | | FIX | 12 | 12 | 12 | 12 | 12 | 12 |
| PIP NTSC V.POS | | FIX | 12 | 12 | 12 | 12 | 12 | 12 |
| PIP H.POS | | FIX | 12 | 12 | 12 | 12 | 12 | 12 |

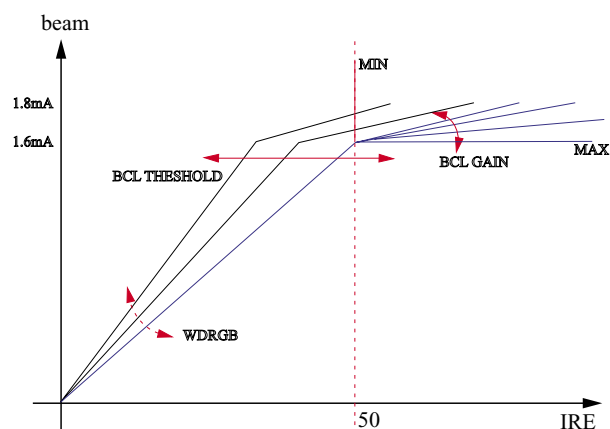
4-8-2(B) SCREEN CHANGE (I2C BUS GEOMETRIC ADJUSTMENT)



4-8-2(C) VIDEO ADJUST 1

| INCH | | | 27V 1.3R | 23V 1.3R | 25V 1R | 27V 1R | 20V 1R | 15" FLAT |
|---------------|------|---------|----------|----------|---|--------------------|-------------------------------|----------|
| Model | | | TXK2767 | CL25D4W | TXK2550 TXK2554 TXK2566 TXK2567 CL663BW | TXK2750 TXK2754 | TXK2060 TXK2066 TXK2067 | CT-15A8 |
| VIDEO ADJUST1 | INIT | | | | | | | |
| RED CUT OFF | 127 | Control | 127 | 127 | 127 | 127 | 127 | 127 |
| GREEN CUT OFF | 127 | FIX | 127 | 127 | 127 | 127 | 127 | 127 |
| BLUE CUT OFF | 127 | Control | 127 | 127 | 127 | 127 | 127 | 127 |
| RED DRIVE | 127 | Control | 150 | 127 | 127 | 127 | 127 | 127 |
| GREEN DRIVE | 127 | FIX | 127 | 127 | 127 | 127 | 127 | 127 |
| BLUE DRIVE | 127 | Control | 170 | 127 | 127 | 127 | 127 | 127 |
| SUB BRIGHT | 110 | Control | 100 | 110 | 100 | 100 | 114 | 110 |
| SUB CONTRAST | 52 | Control | 52 | 52 | 52 | 52 | 52 | 52 |
| SUB COLOR | 27 | FIX | 50 | 50 | 50 | 50 | 50 | 67 |
| SUB TINT | 30 | FIX | 70 | 70 | 70 | 70 | 30 | 15 |
| BCL THRESHOLD | 62 | FIX | 60 | 54 | 58 | 58 | 70 | 40 |
| BCLGAIN | 8 | FIX | 8 | 8 | 8 | 8 | 8 | 8 |
| BCL TIME | 13 | FIX | 10 | 10 | 10 | 10 | 10 | 13 |
| DVD SUB TINT | 90 | FIX | 100 | 100 | 100 | 100 | 100 | 120 |
| N. YC DELAY | 0 | FIX | 3 | 3 | 3 | 3 | 3 | 4 |

Note 1. Beam Control Limit Characteristic



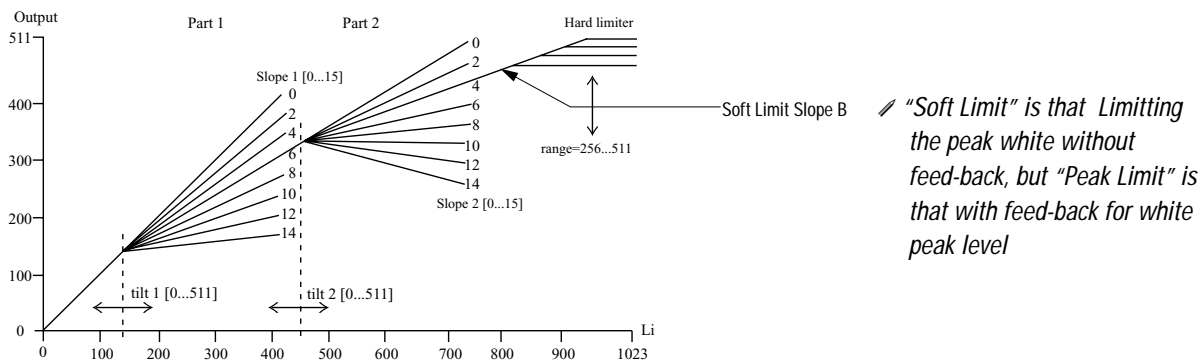
4-8-2(D) VIDEO 2 ADJUST

| INCH | | | 27V 1.3R | 23V 1.3R | 25V 1R | 27V 1R | 20V 1R | 15" FLAT |
|------------------|------|-----|----------|----------|---|--------------------|-------------------------------|----------|
| Model | | | TXK2767 | CL25D4W | TXK2550 TXK2554 TXK2566 TXK2567 CL663BW | TXK2750 TXK2754 | TXK2060 TXK2066 TXK2067 | CT-15A8 |
| VIDEO ADJUST2 | INIT | | | | | | | |
| B STRETCH-BTHR | 50 | FIX | 50 | 50 | 50 | 50 | 50 | 50 |
| B DTRETCH-BTLT | 8 | FIX | 8 | 8 | 8 | 8 | 8 | 8 |
| B STERTCH-BAM | 4 | FIX | 4 | 4 | 4 | 4 | 4 | 4 |
| CORING | 31 | FIX | 31 | 31 | 31 | 31 | 31 | 31 |
| NTSC COMB FILTER | 1 | FIX | 1 | 1 | 1 | 1 | 1 | 1 |
| RGB BRIGHT | 0 | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| RG B CONTRAST | 0 | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| EHT TIME | 0 | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| EHT VERTICAL | | FIX | 60 | 60 | 60 | 60 | 60 | 60 |
| DTI CORING | | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| DTI GAIN | | FIX | 1 | 1 | 1 | 1 | 1 | 1 |
| DTI BAND | | FIX | 1 | 1 | 1 | 1 | 1 | 1 |
| EHT OFFSET | | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| EHT HORIZONTAL | | FIX | 0 | 0 | 0 | 0 | 0 | 0 |

4-8-2(E) VIDEO 3 ADJUST

| INCH | | | 27V 1.3R | 23V 1.3R | 25V 1R | 27V 1R | 20V 1R | 15" FLAT |
|--------------------|------|-----|----------|----------|---|--------------------|-------------------------------|----------|
| Model | | | TXK2767 | CL25D4W | TXK2550 TXK2554 TXK2566 TXK2567 CL663BW | TXK2750 TXK2754 | TXK2060 TXK2066 TXK2067 | CT-15A8 |
| VIDEO ADJUST3 | INIT | | | | | | | |
| PEAK WHITE LIMLT | 255 | FIX | 255 | 255 | 255 | 255 | 255 | 255 |
| SOFT LIMIT SLOPE B | 4 | FIX | 4 | 4 | 4 | 4 | 4 | 4 |
| HARD LIMIT | 255 | FIX | 255 | 255 | 255 | 255 | 255 | 255 |
| MODULATION ON/OFF | 0 | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| A TILT POINT | 0 | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| B TILT POINT | 0 | FIX | 114 | 114 | 114 | 114 | 114 | 114 |
| GAIN 1 (VIDEO) | | FIX | 11 | 11 | 11 | 11 | 11 | 11 |
| DELAY 1 (VIDEO) | | FIX | 3 | 3 | 3 | 3 | 3 | 3 |
| PEAK VIDEO REF | | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| PEAK VIDEO GAIN | | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| LIMIT VALUE | | FIX | 74 | 74 | 74 | 74 | 74 | 74 |
| VELOCITY DELAY | | FIX | 7 | 7 | 7 | 7 | 7 | 7 |
| VELOCITY CORING | | FIX | 10 | 10 | 10 | 10 | 10 | 10 |
| ACC-REF | 20 | FIX | 20 | 20 | 20 | 20 | 20 | 20 |
| ACCR | 21 | FIX | 21 | 21 | 21 | 21 | 21 | 21 |

Note 2. Soft Limit & Hard Limit Characteristics



4-8-2(F) OTHERS

| INCH | | | 27V 1.3R | 23V 1.3R | 25V 1R | 27V 1R | 20V 1R | 15" FLAT |
|-----------------|------|---------|---------------|---------------|---|--------------------|-------------------------------|---------------|
| Model | | | TXK2767 | CL25D4W | TXK2550 TXK2554 TXK2566 TXK2567 CL663BW | TXK2750 TXK2754 | TXK2060 TXK2066 TXK2067 | CT-15A8 |
| OTHERS | INIT | | | | | | | |
| VSU | 108 | FIX | 108 | 104 | 100 | 100 | 104 | 110 |
| VSU2 | | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| H QEW | 0 | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| H ZOOM Parabola | 8 | FIX | -22 | -35 | 8 | 8 | 8 | 8 |
| H 16:9 Parabola | -10 | FIX | 8 | 13 | -18 | -18 | -18 | -10 |
| TTX H Shift | 0 | FIX | 0 | 0 | 0 | 0 | 0 | 0 |
| PAL V SHIFT | | FIX | OFFSET | OFFSET | OFFSET | OFFSET | OFFSET | OFFSET |
| PAL H SHIFT | | FIX | OFFSET | OFFSET | OFFSET | OFFSET | OFFSET | OFFSET |
| Melody Volume | 5 | FIX | 7 | 7 | 7 | 7 | 7 | 7 |
| WHITE BALANCE | H | Control | 275/295 35FL | 275/295 35FL | 275/295 35FL | 275/295 35FL | 275/295 35FL | 275/295 95FL |
| | L | Control | 275/295 1.2FL | 275/295 1.2FL | 275/295 1.2FL | 275/295 1.2FL | 275/295 1.2FL | 275/295 2.0FL |

4-8-2(G) G2 ADJUST

| INCH | | 27V 1.3R | 23V 1.3R | 25V 1R | 27V 1R | 20V 1R | 15" FLAT |
|-----------|-----|----------|----------|---|--------------------|-------------------------------|----------|
| Model | | TXK2767 | CL25D4W | TXK2550 TXK2554 TXK2566 TXK2567 CL663BW | TXK2750 TXK2754 | TXK2060 TXK2066 TXK2067 | CT-15A8 |
| G2 Adjust | | | | | | | |
| MRC R G B | Max | 110 | 110 | 110 | 110 | 110 | 110 |
| MRWDG | | 110 | 110 | 110 | 110 | 110 | 110 |
| IBRM | FIX | 210 | 205 | 210 | 210 | 205 | 220 |
| WDRV | FIX | 35 | 35 | 35 | 35 | 35 | 35 |
| CDL | FIX | 170 | 120 | 150 | 150 | 115 | 180 |
| COL | MIN | 150 | 140 | 150 | 150 | 120 | 100 |

4-8-3 Deflection (Memory Data)

- SIM408A USA, LATIN FACTORY (VDP IC VDP3130Y)

4-8-3(A) GEOMETRIC ADJUSTMENT VALUE

| INCH | | | 27V 1.3R | 15" FLAT | 21" FLAT | 25" FLAT |
|----------------|------|---------|----------|----------|----------|----------|
| MODEL | | | TXK2768 | CL15A8 | CL21A8 | CL25A6 |
| DEFLECTION | INIT | | | | | |
| H Bow | | FIX | 0 | 0 | 0 | 0 |
| H Angle | | FIX | 0 | 0 | 0 | 0 |
| H Dsc | | FIX | 3 | 2 | 2 | 3 |
| V SHIFT | -40 | Control | -27 | -35 | -27 | -50 |
| V AMP | 5 | Control | -50 | 20 | 6 | -15 |
| V SLOPE | -2 | Control | -7 | -4 | -6 | -2 |
| V SC | -7 | FIX | -6 | -6 | -6 | -6 |
| H E W | 64 | Control | 10 | 64(FIX) | 43 | 10 |
| H TRAPEZIUM | -20 | Control | -82 | -20(FIX) | -20 | -20 |
| H PARABOLA | -13 | Control | -89 | -13(FIX) | -29 | -60 |
| H SYMMETRY | 13 | FIX | 13 | 13 | 13 | 13 |
| H CORNER | 15 | Control | 0 | 69(FIX) | 69 | 69 |
| H SHIFT | 4 | Control | 0 | 13 | -24 | -27 |
| PIP CONTRAST | | FIX | 10 | 0 | 0 | 0 |
| PIP TINT | | FIX | 63 | 0 | 0 | 0 |
| PIP PAL V.POS | | FIX | 12 | 12 | 12 | 12 |
| PIP NTSC V.POS | | FIX | 12 | 12 | 12 | 12 |
| PIP H.POS | | FIX | 12 | 12 | 12 | 12 |

4-8-3(B) VIDEO ADJUST 1

| INCH | | | 27V 1.3R | 15" FLAT | 21" FLAT | 25" FLAT |
|---------------|------|---------|----------|----------|----------|----------|
| Model | | | TXK2768 | CL15A8 | CL21A8 | CL25A6 |
| VIDEO ADJUST1 | INIT | | | | | |
| RED CUT OFF | 127 | Control | 127 | 127 | 127 | 127 |
| GREEN CUT OFF | 127 | FIX | 127 | 127 | 127 | 127 |
| BLUE CUT OFF | 127 | Control | 127 | 127 | 127 | 127 |
| RED DRIVE | 127 | Control | 127 | 127 | 127 | 127 |
| GREEN DRIVE | 127 | FIX | 127 | 127 | 127 | 127 |
| BLUE DRIVE | 127 | Control | 170 | 127 | 127 | 127 |
| SUB BRIGHT | 110 | Control | 100 | 110 | 110 | 110 |
| SUB CONTRAST | 52 | Control | 52 | 52 | 52 | 52 |
| SUB COLOR | 27 | FIX | 50 | 67 | 87 | 87 |
| SUB TINT | 30 | FIX | 70 | 15 | 30 | 30 |
| BCL THRESHOLD | 62 | FIX | 60 | 40 | 62 | 60 |
| BCLGAIN | 8 | FIX | 9 | 9 | 9 | 9 |
| BCL TIME | 13 | FIX | 5 | 5 | 5 | 5 |
| DVD SUB TINT | 90 | FIX | 25 | 25 | 25 | 25 |
| N. YC DELAY | 0 | FIX | 3 | 4 | 4 | 4 |

4-8-2(C) VIDEO 2 ADJUST

| INCH | | | 27V 1.3R | 15" FLAT | 21" FLAT | 25" FLAT |
|------------------|------|-----|----------|----------|----------|----------|
| Model | | | TXK2768 | CL15A8 | CL21A8 | CL25A6 |
| VIDEO ADJUST2 | INIT | | | | | |
| B STRETCH-BTHR | 50 | FIX | 50 | 50 | 50 | 50 |
| B DTRECH-BTLT | 8 | FIX | 8 | 8 | 8 | 8 |
| B STERTCH-BAM | 4 | FIX | 4 | 4 | 4 | 4 |
| CORING | 31 | FIX | 31 | 31 | 31 | 31 |
| NTSC COMB FILTER | 1 | FIX | 3 | 3 | 3 | 3 |
| RGB BRIGHT | 0 | FIX | 0 | 0 | 0 | 0 |
| RG B CONTRAST | 0 | FIX | 0 | 0 | 0 | 0 |
| EHT TIME | 0 | FIX | 8 | 8 | 8 | 8 |
| EHT VERTICAL | 60 | FIX | 60 | 60 | 60 | 60 |
| DTI CORING | 0 | FIX | 0 | 0 | 0 | 0 |
| DTI GAIN | 1 | FIX | 1 | 1 | 1 | 1 |
| DTI BAND | 1 | FIX | 1 | 1 | 1 | 1 |
| EHT OFFSET | 0 | FIX | 0 | 0 | 0 | 0 |
| EHT HORIZONTAL | 0 | FIX | 0 | 0 | 0 | 0 |

4-8-2(D) VIDEO 3 ADJUST

| INCH | | | 27V 1.3R | 15" FLAT | 21" FLAT | 25" FLAT |
|--------------------|------|-----|----------|----------|----------|----------|
| Model | | | TXK2768 | CL15A8 | CL21A8 | CL25A6 |
| VIDEO ADJUST3 | INIT | | | | | |
| PEAK WHITE LIMLT | 255 | FIX | 255 | 255 | 255 | 255 |
| SOFT LIMIT SLOPE B | 4 | FIX | 4 | 4 | 4 | 4 |
| HARD LIMIT | 255 | FIX | 255 | 255 | 255 | 255 |
| MODULATION ON/OFF | 0 | FIX | 0 | 0 | 0 | 0 |
| A TILT POINT | 0 | FIX | 0 | 0 | 0 | 0 |
| B TILT POINT | 0 | FIX | 114 | 114 | 114 | 114 |
| GAIN 1 (VIDEO) | 11 | FIX | 11 | 11 | 11 | 11 |
| DELAY 1 (VIDEO) | 3 | FIX | 3 | 3 | 3 | 3 |
| PEAK VIDEO REF | 0 | FIX | 0 | 0 | 0 | 0 |
| PEAK VIDEO GAIN | 0 | FIX | 0 | 0 | 0 | 0 |
| LIMIT VALUE | 127 | FIX | 127 | 74 | 74 | 74 |
| VELOCITY DELAY | 7 | FIX | 7 | 7 | 7 | 7 |
| VELOCITY CORING | 2 | FIX | 2 | 10 | 10 | 10 |
| ACC-REF | 20 | FIX | 20 | 20 | 20 | 20 |
| ACCR | 21 | FIX | 21 | 21 | 21 | 21 |

4-8-3(E) OTHERS

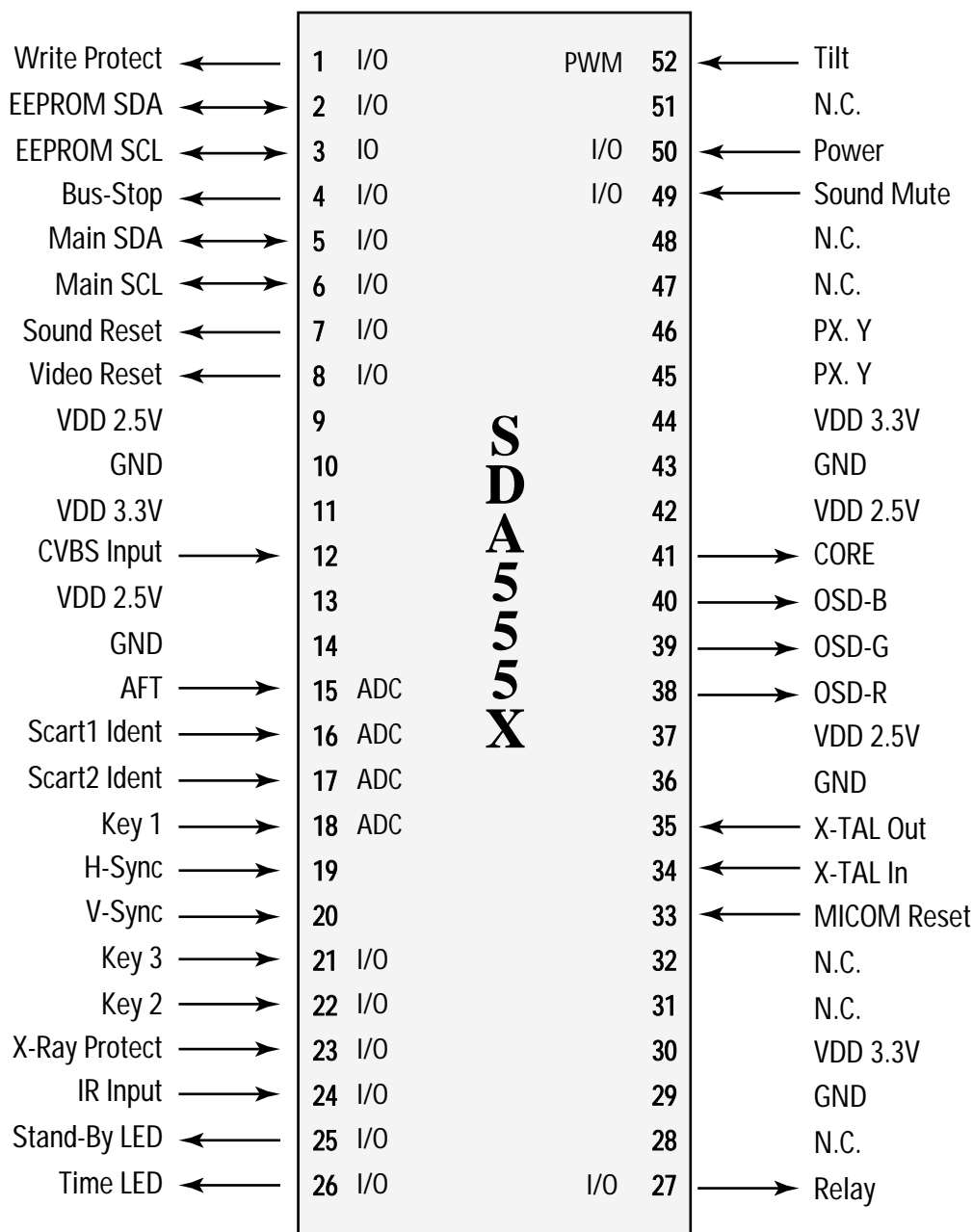
| INCH | | | 27V 1.3R | 15" FLAT | 21" FLAT | 25" FLAT |
|------------------|------|---------|---------------|---------------|---------------|---------------|
| Model | | | TXK2768 | CL15A8 | CL21A8 | CL25A6 |
| OTHERS | INIT | | | | | |
| VSU | 108 | FIX | 108 | 110 | 100 | 108 |
| VSU2 | 0 | FIX | 0 | 0 | 0 | 0 |
| H QE W | 0 | FIX | 0 | 0 | 0 | 0 |
| H ZOOM Parabola | 8 | FIX | -22 | 8 | 8 | -12 |
| H 16:9 Parabola | -10 | FIX | 8 | -10 | -13 | 0 |
| DVD TINT CONTROL | 1 | FIX | 1 | 1 | 1 | 1 |
| PAL V SHIFT | | FIX | OFFSET | OFFSET | OFFSET | OFFSET |
| PAL H SHIFT | | FIX | OFFSET | OFFSET | OFFSET | OFFSET |
| Melody Volume | 5 | FIX | 7 | 7 | 7 | 7 |
| PIP BRIGHT | | FIX | 5 | 5 | 5 | 5 |
| PIP COLOR | | FIX | 7 | 7 | 7 | 7 |
| WHITE BALANCE | H | Control | 275/295 35FL | 275/295 95FL | 275/295 65FL | 275/295 50FL |
| | L | Control | 275/295 1.2FL | 275/295 2.0FL | 275/295 1.2FL | 275/295 1.4FL |

4-8-3(F) G2+2 ADJUST

| INCH | | 27V 1.3R | 15" FLAT | 21" FLAT | 25" FLAT |
|-----------|-----|----------|----------|----------|----------|
| Model | | TXK2768 | CL15A8 | CL21A8 | CL25A6 |
| MRC R G B | Max | 110 | 110 | 110 | 110 |
| MRWDG | | 110 | 110 | 110 | 110 |
| IBRM | FIX | 210 | 220 | 220 | 210 |
| WDRV | FIX | 35 | 35 | 35 | 35 |
| CDL | FIX | 170 | 180 | 180 | 160 |
| COL | MIN | 150 | 100 | 65 | 120 |

4-9 MICOM

4-9-1 Pin Layout



4-9-2 Pin Assignment Specification

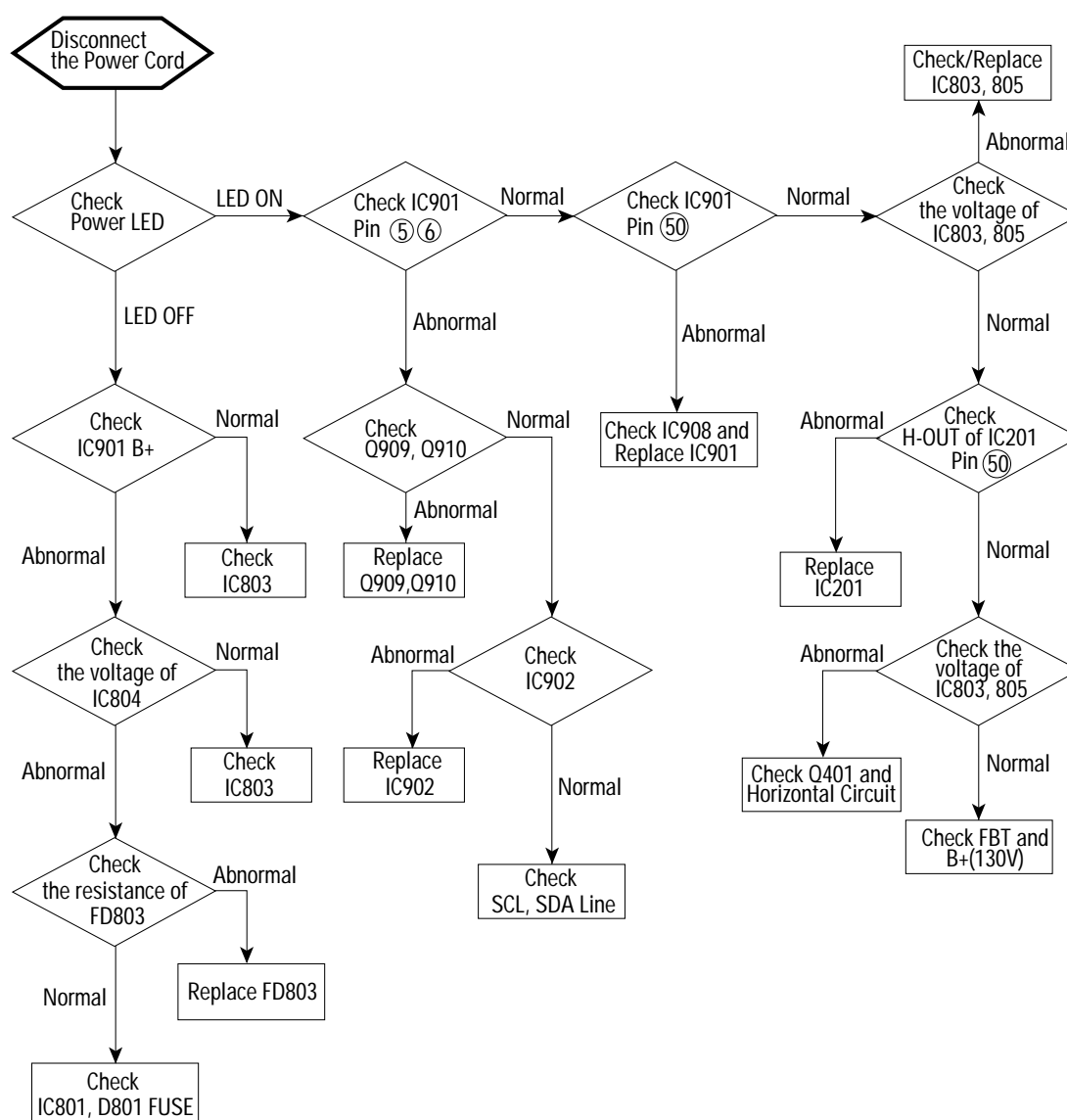
| PIN NO | FUNCTION | ASSIGN | IN/OUT | ACTIVE H/L | DESCRIPTION |
|--------|----------|---------------|--------|------------|---------------------------------|
| 1 | I/O | Write Protect | Out | Low | EEPROM Write Protection |
| 2 | I/O | ROM SDA | I/O | | EEPROM Serial Data Line |
| 3 | I/O | ROM SCL | I/O | | EEPROM Serial Clock Line |
| 4 | I/O | Bus Stop | In | Low | Disable Micom IIC |
| 5 | I/O | Main SDA | I/O | | Peripheral IC Serial Data Line |
| 6 | I/O | Main SCL | I/O | Low | Peripheral IC Serial Clock Line |
| 7 | I/O | Sound Reset | Out | Low | MSP IC Initial Control |
| 8 | I/O | Video Reset | Out | | VDP IC Initial Control |
| 9 | Vdd | VDD 2.5V | | | |
| 10 | GND | | | | |
| 11 | Vdd | VDD 3.3V | | | |
| 12 | CVBS | CVBS Input | In | | TTX CVBS Input |
| 13 | Vdd | VDD 2.5V | | | Analog B+ |
| 14 | GND | | | | Analog Ground |
| 15 | ADC | AFT | In | | Auto Fine Tuning Control |
| 16 | ADC | SC1-ID | In | | Scart1 Ident |
| 17 | ADC | SC2-ID | In | | Scart2 Ident |
| 18 | ADC | Key1 | In | | Key1 Input |
| 19 | HS | H-Sync | In | | Horizontal Sync Input |
| 20 | VS | V-Sync | In | | Vertical Sync Input |
| 21 | I/O | Key3 | In | | Key3 Input |
| 22 | I/O | Key2 | In | | Key2 Input |
| 23 | I/O | X-Ray | In | | X-Ray Protection |
| 24 | I/O | IR-In | In | | Remocon Signal Input |
| 25 | I/O | STD-LED | Out | | LED Drive Output(Red) |
| 26 | I/O | TIM-LED | Out | | LED Drive Output(Green) |

4-9-2 Pin Assignment Specification (Continued)

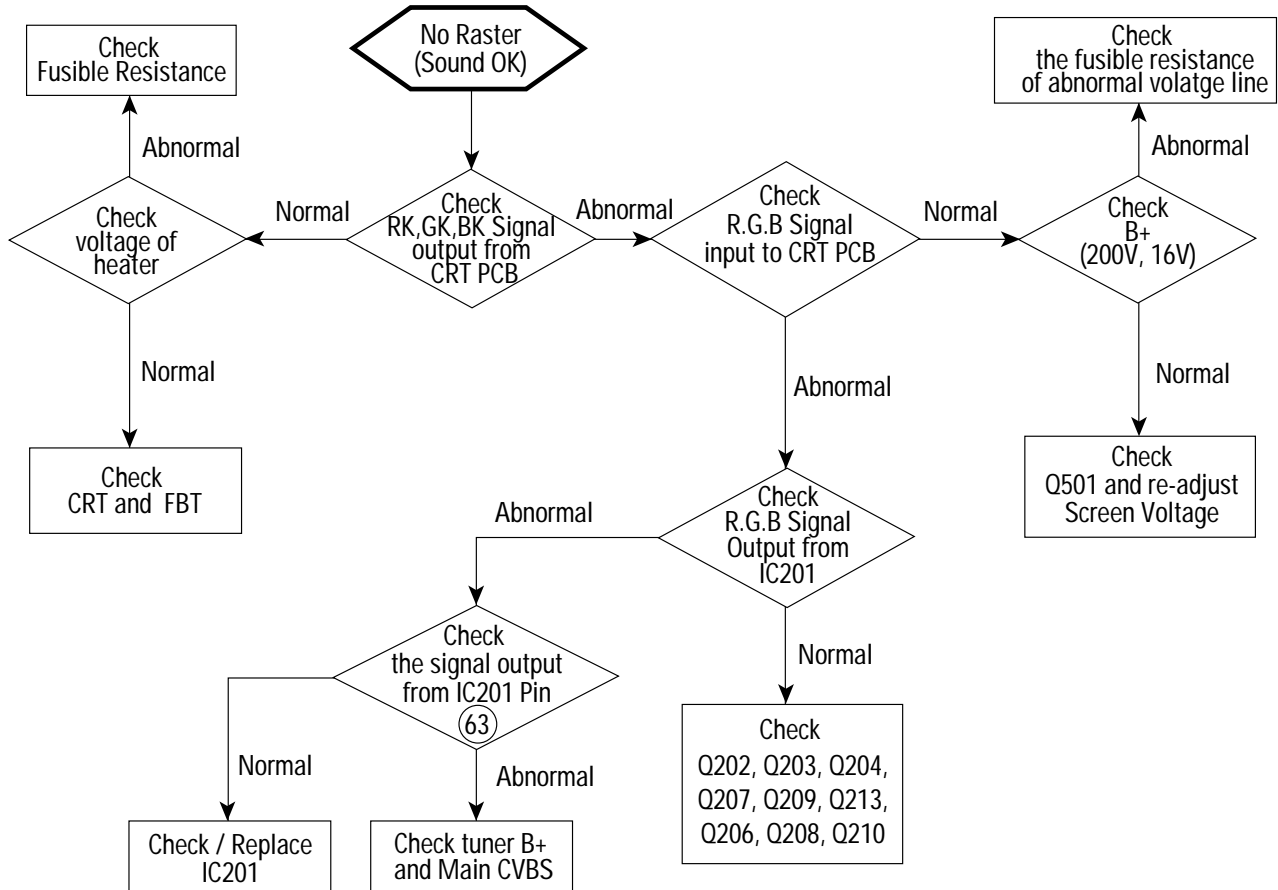
| PIN NO | FUNCTION | ASSIGN | IN/OUT | ACTIVE H/L | DESCRIPTION |
|--------|----------|-----------|--------|------------|--|
| 27 | I/O | Relay | Out | Low | Activate Degaussing Coil |
| 28 | N.C. | | | | Not Used (Programmed Gound Level) |
| 29 | GND | | | | Analog Ground |
| 30 | Vdd | VDD 3.3V | | | Not Used (Programmed Gound Level) |
| 31 | N.C. | | | | Not Used (Programmed Gound Level) |
| 32 | N.C. | | | | Micom Hardware Reset |
| 33 | Reset | Reset | In | Low | Crystal Oscillation Input |
| 34 | X-In | X-TAL In | In | 6MHz | Crystal Oscillation Output |
| 35 | X-Out | X-TAL Out | Out | 6MHz | Analog Ground |
| 36 | GND | | | | Analog B+ |
| 37 | Vdd | VDD 2.5V | | | OSD/TTX Output (Red) |
| 38 | R | OSD-R | Out | | OSD/TTX Output (Green) |
| 39 | G | OSD-G | Out | | OSD/TTX Output (Blue) |
| 40 | B | OSD-B | Out | | Fast Blank/Half Contrast Output |
| 41 | COR | CORE | Out | | |
| 42 | Vdd | VDD 2.5V | | | |
| 43 | GND | | | | |
| 44 | Vdd | VDD 3.3V | | | |
| 45 | I/O | PX.Y | In | | When The Caption Function Adopted, Used. |
| 46 | I/O | PX.Y | Out | | |
| 47 | N.C. | | | | Not Used (Programmed Gound Level) |
| 48 | N.C. | | | | |
| 49 | I/O | S-Mute | Out | High | Sound Amp Mute |
| 50 | I/O | Power | Out | Low | Picture On/Off Control |
| 51 | N.C. | | | | Not Used (Programmed Gound Level) |
| 52 | I/O | | | | |

5. Troubleshooting

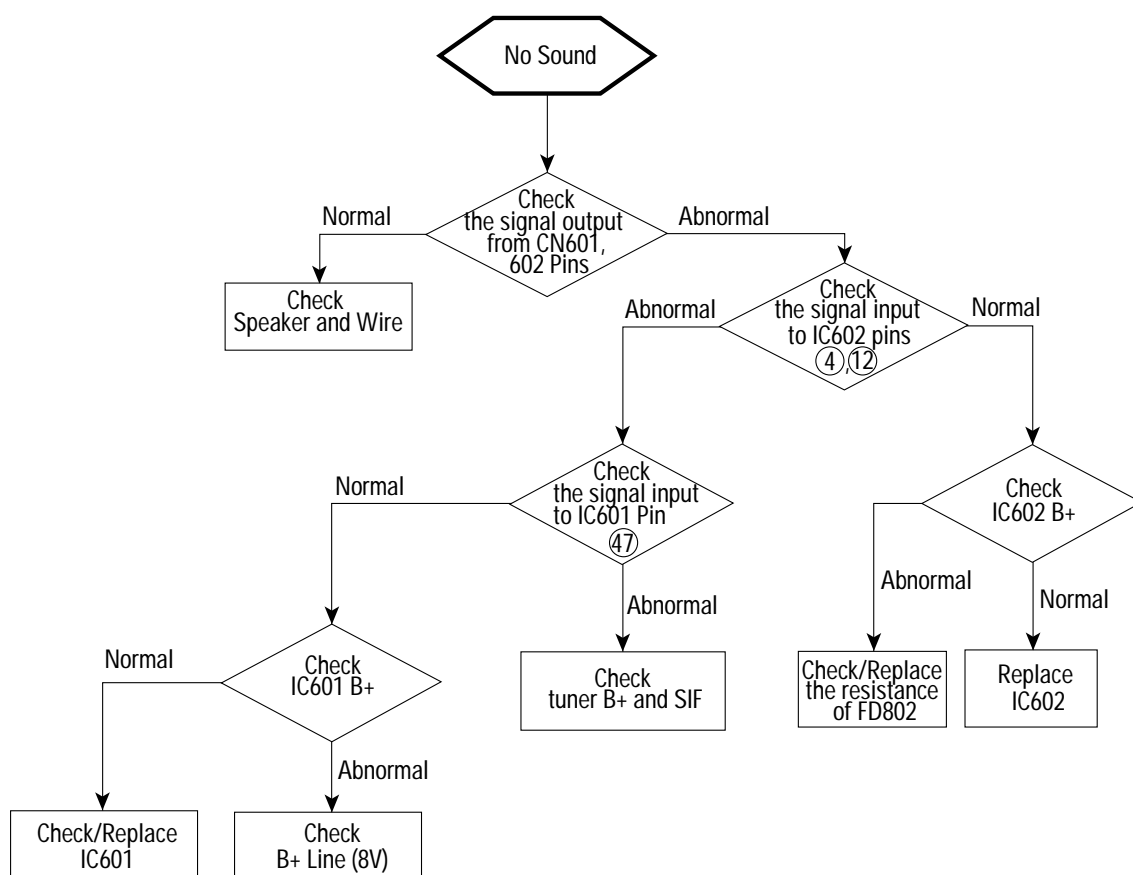
5-1 No Power



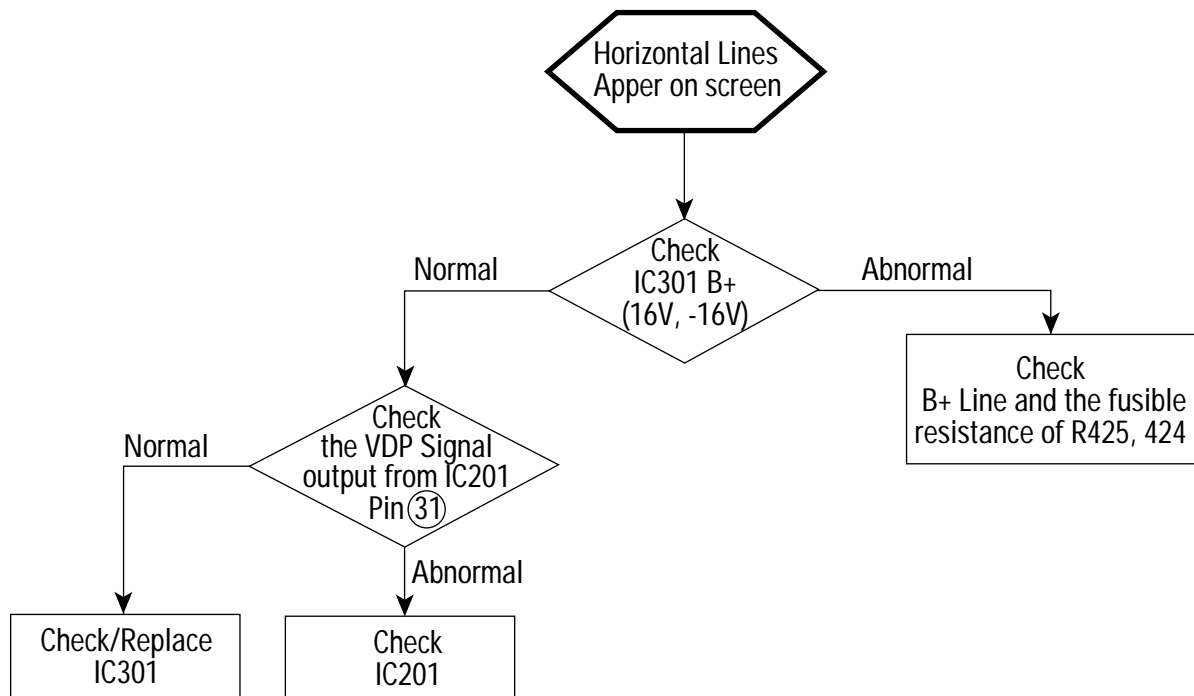
5-2 No Raster (Sound OK)



5-3 No Sound

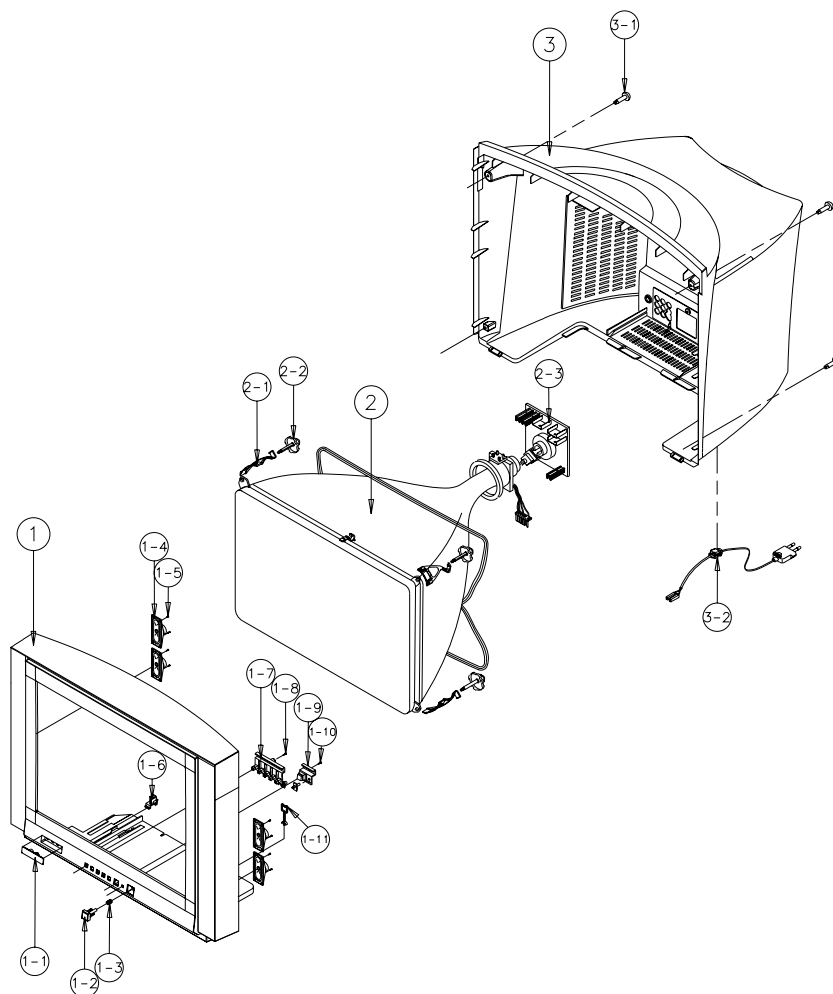


5-4 Horizontal Lines Appear on screen



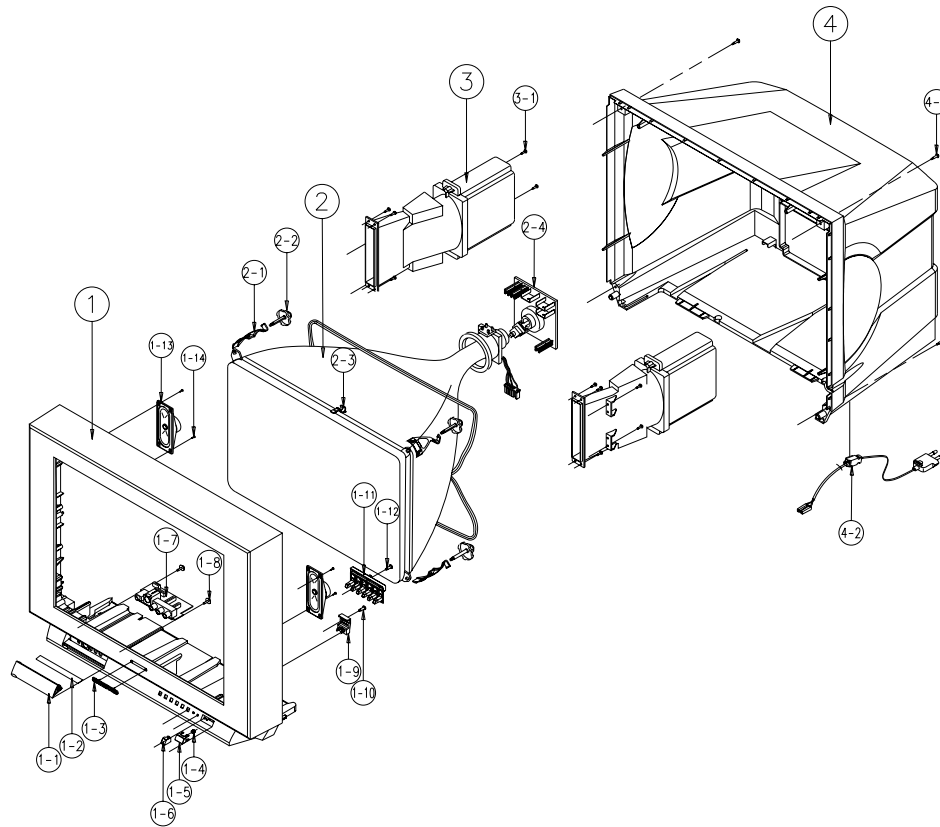
6. Exploded View & Parts List

6-1 CS21A8W7X/GSU



| No | Code No | Description | Specification | Q'ty | Remark |
|------|-------------|-----------------|---------------------------------|------|--------|
| 1 | AA64-00810J | CABINET FRONT | ;21A8,S907P+D004P ELT NT,HI | 1 | |
| 1-1 | AA64-01230B | INLAY-COVER | ;D2,D3,PVC-SHEET,T0.4,94V0,- | 1 | |
| 1-2 | AA64-00814B | KNOB POWER | ;-,21A8,-,ABS,HB,G3676 | 1 | |
| 1-3 | AA61-60003J | SPRING-CS | ;-,SUS304,0.5,OD6,H12,N7,-,-,- | 1 | |
| 1-4 | 3001-000280 | SPEAKER | ;5W,16ohm,90dB,150Hz | 4 | |
| 1-5 | 6003-001019 | SCREW-TAPTITE | ;RH,+,B,M4,L12,ZPC(BLK),SWR | 16 | |
| 1-6 | AA61-40113A | STOPPER-PCB | ;501H,HIPS,NTR,HB,-,- | 1 | |
| 1-7 | AA64-00812B | KNOB CONTROL | ;-,21A8,-,ABS,HB,G3676 | 1 | |
| 1-8 | 6003-001026 | SCREW-TAPTITE | ;RH,+,B,M4,L15,ZPC(BLK),SWR | 1 | |
| 1-9 | AA64-00816B | WINDOW REMOCON | ;-,21A8,-,PC,V0,VIOLET,- | 1 | |
| 1-10 | 6003-001026 | SCREW-TAPTITE | ;RH,+,B,M4,L15,ZPC(BLK),SWR | 1 | |
| 1-11 | AA65-00011B | CLAMP-WIRE | ;ALL MODEL,NYLON 66,V2,NTR,15M | 3 | |
| 2 | AA03-00138A | CRT COLOR | ;A51LSH198X03,-,21DF,0.74,-,-,F | 1 | |
| 2-1 | AA65-00009B | CLAMP-D,COIL | ;NYLON 66,V0,-,-,21A8,- | 4 | |
| 2-2 | AA60-10050R | SCREW-ASSY | ;WC,HH,+,M5,L31.5,SWRCH18A,ZPC | 4 | |
| 2-3 | 3704-001105 | SOCKET-CRT | ;11P,20PI,26.5PI,NI,- | 1 | |
| 3 | AA64-00811C | CABINET BACK | ;21A8,-,HIPS,HB,BLK | 1 | |
| 3-1 | 6003-001025 | SCREW-TAPTITE | ;RH,+,B,M4,L20,ZPC(BLK),SWR | 4 | |
| 3-2 | AA96-20109C | ASSY-POWER,CORD | ;-,CP2/NO(4.0),H/C300,KKP | 1 | |

6-2 CL25A6W7X/RCL



| No | Code No | Description | Specification | Q'ty | Remark |
|------|-------------|-------------------|----------------------------------|------|--------|
| 1 | AA64-00238T | CABINET FRONT | ;25A6,G906P+B702P NT-AMER,H | 1 | |
| 1-1 | AA64-00240B | DOOR-AV | ;-,25A6,BK702P,ABS,HB,BLK,-,- | 1 | |
| 1-2 | AA64-00246E | INLAY-AV | ;25A6,S51A EL,PS SHEET,-,BLK,-,- | 1 | |
| 1-3 | AA64-70117B | BADGE-BRAND | ;AL,SS,SILVER,L65,R2000,-,- | 1 | |
| 1-4 | AA61-00343A | SPRING-CS | ;-,SUS304,-,-,-,-,0.4,0D6,H12,N | 1 | |
| 1-5 | AA64-00243D | KNOB-POWER | ;-,25A6,N0-SILK W971,PC,VO,VIO | 1 | |
| 1-6 | AA64-00241C | WINDOW-REMOCON | ;-,25A6,W971,PC,VO,VIOLET, | 1 | |
| 1-7 | AA95-00491A | ASSY-PCB,A/V SIDE | ;-,CS25A6,S51A,PAL,-,- | 1 | |
| 1-8 | 6006-001095 | SCREW-ASS'Y TAPT | ;WP,BH,+ ,M4,L12,ZPC(YEL) | 2 | |
| 1-9 | AA64-00242B | INDICATOR-LED | ;-,25A6,-,ACRYL,-,CLEAR,- | 1 | |
| 1-10 | 6003-001019 | SCREW-TAPTITE | ;RH,+ ,B,M4,L12,ZPC(BLK),SWR | 1 | |
| 1-11 | AA64-00245B | KNOB-CONTROL | ;-,25A6,BK702P+W971,ABS,HB,B | 1 | |
| 1-12 | 6003-001019 | SCREW-TAPTITE | ;RH,+ ,B,M4,L12,ZPC(BLK),SWR | 2 | |
| 1-13 | AA91-00340A | ASSY HOLDER SPK | ;-,PP,8ohm/15W,blk,housin | 2 | |
| 1-14 | 6003-001019 | SCREW-TAPTITE | ;RH,+ ,B,M4,L12,ZPC(BLK),SWR | 4 | |
| 2 | AA03-00144A | CRT COLOR | ;-,A59QDF891X002,-,300mG,25DF,90 | 1 | |
| 2-1 | AA65-30113A | CLAMP-D,COIL | ;NYLON 66,V2,BLK,TVI 25-29,- | 4 | |
| 2-2 | AA60-10050V | SCREW-ASSY | ;WC,HH,+ ,M6,L30,SWRCH18A,ZPC(S | 4 | |
| 2-3 | AA65-30113A | CLAMP-D,COIL | ;NYLON 66,V2,BLK,TVI 25-29,- | 4 | |
| 2-4 | 3704-001105 | SOCKET-CRT | ;11P,20PI,26.5PI,NI,-1 | | |
| 3 | AA91-00340A | ASSY HOLDER SPK | ;-,PP,8ohm/15W,blk,housin | 2 | |
| 3-1 | 6003-001019 | SCREW-TAPTITE | ;RH,+ ,B,M4,L12,ZPC(BLK),SWR | 4 | |
| 4 | AA64-00239D | CABINET BACK | ;-,25A6,-,HIPS,HB,BLK,-,- | 1 | |
| 4-1 | 6003-001025 | SCREW-TAPTITE | ;RH,+ ,B,M4,L20,ZPC(BLK),SWR | 4 | |
| 4-2 | AA96-20109C | ASSY-POWER,CORD | ;-,CP2/NO(4.0),H/C300,KKP | 1 | |

7. Electrical Parts List

7-1 CL15A8L7X/STR (CL15A8L7X/STR and CL15A8L7X/GSU Dissimilar parts)

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
|---|----------|-----------------------------|--------|---|----------|-----------------------------|--------|
| ASSY PCB MAIN(OPT) | | | | ASSY ACCESSORY | | | |
| * AA94-01431EASSY PCB MAIN(OPT);CL15A8L7X/STR,KS2A,PERU,- | | | | * AA94-02412BASSY ACCESSORY;CL15A8L7X/STR,KS2A,PERU | | | |
| ASSY CRT | | | | AA63-00239C COVER-AV;21A8,HIPS,-,HB,G4309,SV907P+W971,- | | | |
| * AA94-02410AASSY CRT;A36QDT351X,+380mG,15INCH,BEAR,CT-15A8,- | | | | | | | |
| AA03-00146ACRT COLOR-,A36QDT351X,+380mG,15inch,90,57%,FLAT | | | | | | | |

7-2 CL15A8L7X

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
|--|-------------|--|--------|----------|-------------|--|--------|
| ASSY PCB MAIN(OPT) | | | | | | | |
| BUYER : G/SUPPLY, RCL | | | | | | | |
| * AA94-01431TASSY PCB MAIN(OPT);CL15A8L7X/GSU,KS2A,CH | | | | | | | |
| * AA94-01431SASSY PCB MAIN(OPT);CL15A8L7X/RCL,KS2A,KOREA,- | | | | | | | |
| C102 | 2401-002463 | C-AL;470uF,20%,16V,GP,TP,8x11.5,5 | | C235 | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,TP,-,5mm | |
| C103 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | C236 | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,TP,-,5mm | |
| C104 | 2401-001363 | C-AL;470uF,20%,16V,GP,TP,10x12.5,5 | | C237 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11.5 | |
| C105 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | C239 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11.5 | |
| C106 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11.5 | | C242 | 2301-000310 | C-FILM,PEF;68nF,5%,50V,TP,8.0X8.5X4.0X5, | |
| C115 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | | C243 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | |
| C116 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | | C244 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | |
| C201 | 2401-000553 | C-AL;1uF,10%,50V,GP,TP,5x11.5 | | C245 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | |
| C202 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | C247 | 2001-000362 | R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| C203 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | C301 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11.5 | |
| C206 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C302 | 2401-000326 | C-AL;100uF,20%,35V,GP,TP,8x11.5,5 | |
| C211 | 2202-000796 | C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,3 | | C303 | 2201-002031 | C-CERAMIC,DISC;0.005nF,0.5pF,50V,NP0,TP, | |
| C212 | 2301-000224 | C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5 | | C304 | 2305-000285 | C-FILM,MPEF;220nF,5%,100V,TP,10.5X5.5X15 | |
| C213 | 2301-000247 | C-FILM,PEF;33nF,5%,50V,TP,8.1x4.5x13mm,5 | | C305 | 2305-000149 | C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5 | |
| C214 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | C306 | 2301-000342 | C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm, | |
| C215 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | C307 | 2401-000360 | C-AL;100uF,20%,50V,GP,TP,8x11.5,5 | |
| C216 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | C308 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C217 | 2401-001026 | C-AL;3.3uF,20%,50V,GP,TP,5x11.5 | | C401 | 2201-000556 | C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5. | |
| C218 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C402 | 2401-001397 | C-AL;470uF,20%,25V,GP,TP,10x16,5 | |
| C219 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C403 | 2201-000556 | C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5. | |
| C220 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C404 | 2401-001397 | C-AL;470uF,20%,25V,GP,TP,10x16,5 | |
| C221 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C407 | 2301-001338 | C-FILM,MPE-PPF;0.68nF,5%,1.6kV,TP,28x7x1 | |
| C222 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C408 | 2305-000382 | C-FILM,MPEF;4.7nF,5%,400V,TP,-,5mm | |
| C223 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C412 | 2305-000178 | C-FILM,MPEF;10nF,5%,100V,TP,-,5mm | |
| C224 | 2201-000331 | C-CERAMIC,DISC;0.005nF,0.5pF,50V,NP0,TP, | | C414 | 2401-002597 | C-AL;220uF,20%,35V,GP,TP,10x12.5,5 | |
| C225 | 2201-000331 | C-CERAMIC,DISC;0.005nF,0.5pF,50V,NP0,TP, | | C420 | 2301-001065 | C-FILM,MPPF;47nF,5%,630V,TP,19x15.5x7.7. | |
| C226 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | C421 | 2201-000556 | C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5. | |
| C228 | 2301-000356 | C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m | | C422 | 2401-001527 | C-AL;47uF,20%,250V,HR,TP,13x25mm,5m | |
| C229 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | C425 | 2201-000599 | C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5. | |
| C231 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | C427 | 2401-002267 | C-AL;2.2uF,20%,250V,GP,TP,8x11.5,5 | |
| C232 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C504 | 2305-000704 | C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5 | |
| C233 | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,TP,-,5mm | | C505 | 2201-000599 | C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5. | |
| C234 | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,TP,-,5mm | | C506 | 2305-000704 | C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5 | |
| | | | | C507 | 2201-000599 | C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5. | |
| | | | | C508 | 2305-000704 | C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5 | |
| | | | | C509 | 2201-000599 | C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5. | |
| | | | | C511 | 2401-000493 | C-AL;10uF,20%,50V,LZ,TP,5x11mm,5mm | |
| | | | | C512 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11.5 | |
| | | | | C513 | 2301-000192 | C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm | |
| | | | | C514 | 2401-000430 | C-AL;10uF,20%,250V,GP,TP,10x16mm,5m | |
| | | | | C515 | 2401-001232 | C-AL;4.7uF,20%,250V,GP,TP,10x12.5,5 | |

Electrical Parts List

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
|----------|-------------|--|--------|----------|-------------|--|--------|
| C516 | 2201-002063 | C-CERAMIC,DISC:10nF,+80-20%,3KV,Y5V,TP,1 | | C901 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C605 | 2301-000232 | C-FILM,PEF:3.3nF,5%,50V,TP,8.1x4.5x13mm, | | C902 | 2401-000553 | C-AL:1uF,10%,50V,GP,TP,5x11,5 | |
| C607 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | | C904 | 2401-000302 | C-AL:100uF,20%,25V,GP,TP,6.3x11,5 | |
| C608 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | | C905 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | |
| C609 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | | C907 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C610 | 2301-000111 | C-FILM,PEF:1.8nF,5%,50V,TP,6.5x3.0x5.5mm | | C908 | 2202-000863 | C-CERAMIC,MLC-AXIAL:560pF,10%,50V,Y5P,TP | |
| C611 | 2301-000111 | C-FILM,PEF:1.8nF,5%,50V,TP,6.5x3.0x5.5mm | | C910 | 2201-000980 | C-CERAMIC,DISC:0.03nF,5%,50V,NP0,TP,5x3, | |
| C612 | 2401-001914 | C-AL:1uF,20%,50V,BP,TP,5x11,5 | | C911 | 2201-000980 | C-CERAMIC,DISC:0.03nF,5%,50V,NP0,TP,5x3, | |
| C613 | 2401-001914 | C-AL:1uF,20%,50V,BP,TP,5x11,5 | | C913 | 2401-000287 | C-AL:100uF,20%,16V,WT,TP,6.3x11,5 | |
| C617 | 2401-000493 | C-AL:10uF,20%,50V,LZ,TP,5x11mm,5mm | | C914 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C620 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | | C915 | 2401-000287 | C-AL:100uF,20%,16V,WT,TP,6.3x11,5 | |
| C621 | 2401-001998 | C-AL:1000uF,20%,25V,GP,TP,10x20,5mm | | C916 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C622 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | C917 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | |
| C623 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | C918 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | |
| C624 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | C919 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C625 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | C920 | 2401-000480 | C-AL:10uF,20%,50V,GP,TP,5x11,5 | |
| C626 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | C921 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C627 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CG501 | AA27-00084A | COIL:S-23,-,-,-,-,-,S-23,5000Mohm | |
| C628 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | CG502 | AA27-00084A | COIL:S-23,-,-,-,-,-,S-23,5000Mohm | |
| C629 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CG503 | AA27-00084A | COIL:S-23,-,-,-,-,-,S-23,5000Mohm | |
| C630 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | | CN501B | AA39-20054A | LEAD CONNECTOR-ASSY:-,YBNH025-06,S,6P,40 | |
| C631 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | | CN502B | AA39-20053A | LEAD CONNECTOR-ASSY:-,YBNH025-05,S,5P,40 | |
| C632 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CN602 | 3711-002644 | CONNECTOR-HEADER:BOX,5P,1R,2.5mm,STRAIGH | |
| C634 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | | CN701 | 3711-002647 | CONNECTOR-HEADER:BOX,8P,1R,2.5mm,STRAIGH | |
| C635 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | | CR401S | 2303-000013 | C-FILM,PPF:2.7nF,5%,1.6KV,TP,28.5x13.5x6 | |
| C636 | 2401-001026 | C-AL:3.3uF,20%,50V,GP,TP,5x11,5 | | CR402S | 2303-000013 | C-FILM,PPF:2.7nF,5%,1.6KV,TP,28.5x13.5x6 | |
| C637 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | | CR405S | 2306-000166 | C-FILM,MPPF:220nF,5%,400V,TP,26x17x9,20m | |
| C638 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CW901 | 2503-000156 | C-NETWORK:100pF,4,20%,50V | |
| C639 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CX801S | 2306-000318 | C-FILM,MPPF:220nF,20%,250V,TP,-,22.5mm | |
| C640 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | | CY802S | 2201-000446 | C-CERAMIC,DISC:3.3nF,20%,400V,Y5U,TP,15x | |
| C641 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | | D201 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C642 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | D202 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C643 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | | D203 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP | |
| C644 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | D204 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP | |
| C645 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | | D205 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP | |
| C646 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | | D206 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP | |
| C647 | 2202-000286 | C-CERAMIC,MLC-AXIAL:56pF,5%,50V,SL,TP,1. | | D207 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C648 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | D208 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C650 | 2201-000558 | C-CERAMIC,DISC:0.47nF,10%,50V,Y5P,TP,5x3 | | D209 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C652 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | | D210 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C654 | 2202-000286 | C-CERAMIC,MLC-AXIAL:56pF,5%,50V,SL,TP,1. | | D212 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C656 | 2201-000304 | C-CERAMIC,DISC:0.001nF,0.25pF,50V,NP0,TP | | D301 | 0402-000546 | DIODE-RECTIFIER:TVR10G,400V,1.0A,DO-41,T | |
| C657 | 2201-000304 | C-CERAMIC,DISC:0.001nF,0.25pF,50V,NP0,TP | | D401 | 0402-000540 | DIODE-RECTIFIER:RU20A,600V,1.5A,-,TP | |
| C660 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | | D402 | 0402-000540 | DIODE-RECTIFIER:RU20A,600V,1.5A,-,TP | |
| C701 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | D403 | 0402-000132 | DIODE-RECTIFIER:1N4004,400V,1A,DO-41,TP | |
| C707 | 2202-000205 | C-CERAMIC,MLC-AXIAL:22pF,5%,50V,SL,TP,1. | | D406 | 0402-000132 | DIODE-RECTIFIER:1N4004,400V,1A,DO-41,TP | |
| C708 | 2202-000205 | C-CERAMIC,MLC-AXIAL:22pF,5%,50V,SL,TP,1. | | D407 | 0402-000493 | DIODE-RECTIFIER:1R5GU41,400V,1.5A,DO-15L | |
| C803 | 2301-000356 | C-FILM,PEF:47nF,5%,50V,TP,7.5x4.0x6.5,5m | | D408 | 0402-000546 | DIODE-RECTIFIER:TVR10G,400V,1.0A,DO-41,T | |
| C804 | 2201-000332 | C-CERAMIC,DISC:2.2nF,20%,250V,Y5U,TP,9x4 | | D411 | 0402-000546 | DIODE-RECTIFIER:TVR10G,400V,1.0A,DO-41,T | |
| C805 | 2201-000332 | C-CERAMIC,DISC:2.2nF,20%,250V,Y5U,TP,9x4 | | D413 | 0402-000537 | DIODE-RECTIFIER:RH1A,600V,0.6A,DO-204AC | |
| C806 | 2401-003025 | C-AL:330uF,20%,400V,GP,ST,30x40,10 | | D502 | 0402-000132 | DIODE-RECTIFIER:1N4004,400V,1A,DO-41,TP | |
| C807 | 2301-001342 | C-FILM,PPF:1.5nF,5%,800V,TP,15x6.5x11.5m | | D503 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C808 | 2401-002300 | C-AL:47uF,20%,50V,GP,TP,6.3x11,5 | | D504 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C809 | 2301-000356 | C-FILM,PEF:47nF,5%,50V,TP,7.5x4.0x6.5,5m | | D505 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C811 | 2301-000310 | C-FILM,PEF:68nF,5%,50V,TP,8.0X8.5X4.0X5, | | D602 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C814 | 2201-000991 | C-CERAMIC,DISC:0.56nF,10%,2kV,Y5P,TP,7.5 | | D603 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C815 | 2401-003026 | C-AL:330uF,20%,200V,GP,ST,22x35,10 | | D801 | 0402-001111 | DIODE-RECTIFIER:1N5397GP,600V,1.5A,DO-20 | |
| C816 | 2401-000293 | C-AL:100uF,+30-10%,200V,GP,TP,16x25 | | D801S | 0402-001160 | DIODE-BRIDGE:D5SB60,600V,2.8A,SIP-4,ST | |
| C817 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5. | | D803 | 0402-000546 | DIODE-RECTIFIER:TVR10G,400V,1.0A,DO-41,T | |
| C818 | 2401-000722 | C-AL:2200uF,20%,25V,WT,TP,16x25,7.5 | | D804 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C819 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5. | | D808 | 0402-000132 | DIODE-RECTIFIER:1N4004,400V,1A,DO-41,TP | |
| C820A | 2401-001363 | C-AL:470uF,20%,16V,GP,TP,10x12,5,5 | | D810 | 0402-000132 | DIODE-RECTIFIER:1N4004,400V,1A,DO-41,TP | |
| C821 | 2301-000192 | C-FILM,PEF:1nF,5%,50V,TP,5.3x10mm,5mm | | D811 | 0402-000132 | DIODE-RECTIFIER:1N4004,400V,1A,DO-41,TP | |
| C822 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5. | | D813 | 0402-000233 | DIODE-RECTIFIER:FML-G12S,200V,5A,-,- | |
| C823 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | | D816 | 0402-000546 | DIODE-RECTIFIER:TVR10G,400V,1.0A,DO-41,T | |
| C825 | 2306-000122 | C-FILM,MPPF:100nF,5%,50V,TP,7.3x4.0x5.0m | | D901 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP | |
| C826 | 2401-001363 | C-AL:470uF,20%,16V,GP,TP,10x12,5,5 | | D902 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP | |
| C827 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | | D903 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP | |
| C829 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | | D904 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP | |
| C831 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | | D905 | 0404-000156 | DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP | |
| C832 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | | D906 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C837 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | | D907 | 0402-000132 | DIODE-RECTIFIER:1N4004,400V,1A,DO-41,TP | |
| C838 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | | D908 | 0401-000005 | DIODE-SWITCHING:1N4148,100V,200MA,DO-35, | |
| C839 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | | △ DDR01 | 0402-001358 | DIODE-RECTIFIER:FFFP10U60S,600V,10A,TO-2 | H/SINK |
| C840 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | | △ DDR01 | 0402-001375 | DIODE-RECTIFIER:FFFP10U20S,200V,10A,TO-2 | H/SINK |
| C841 | 2401-000611 | C-AL:1uF,20%,50V,WT,TP,5x11,5 | | △ DDR01 | 1203-002018 | IC-VOLTAGE REGULATOR:78R05,TO-220,4P,10M | H/SINK |
| C843 | 2201-000681 | C-CERAMIC,DISC:0.082nF,5%,50V,SL,TP,5x3, | | DH01 | 0502-001115 | TR-POWER:KSC5386,NPN,50V,TO-3PF,ST,8- | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|----------|-------------|--|--------|
| R829 | 2003-001036 | R-METAL OXIDE(S):3.3ohm,5%,2W,AF,TP,3.9x | |
| R831 | 2001-000780 | R-CARBON:4700HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R832 | 2001-001153 | R-CARBON(S):470HM,5%,1/2W,AA,TP,2.4X6.4M | |
| R833 | 2001-000472 | R-CARBON:2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R835 | 2003-002211 | R-METAL OXIDE(S):91Kohm,5%,2W,AG,TP,3.9x | |
| R836 | 2003-002211 | R-METAL OXIDE(S):91Kohm,5%,2W,AG,TP,3.9x | |
| R901 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R902 | 2001-000281 | R-CARBON:1000HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R903 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R904 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R905 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R906 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R907 | 2001-000281 | R-CARBON:1000HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R908 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R909 | 2001-000281 | R-CARBON:1000HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R910 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R911 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R912 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R913 | 2001-000947 | R-CARBON:7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R914 | 2001-000221 | R-CARBON:1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R915 | 2001-000577 | R-CARBON:2KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R916 | 2001-000007 | R-CARBON:3KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R917 | 2001-000878 | R-CARBON:6.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R918 | 2001-000009 | R-CARBON:20KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R919 | 2001-000780 | R-CARBON:4700HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R920 | 2001-000780 | R-CARBON:4700HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R921 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R923 | 2001-000924 | R-CARBON:6800HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R924 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R925 | 2001-001035 | R-CARBON:910HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R926 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R927 | 2001-000837 | R-CARBON:51KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R929 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R930 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R931 | 2001-000780 | R-CARBON:4700HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R932 | 2001-000515 | R-CARBON:2200HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R933 | 2001-000780 | R-CARBON:4700HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R934 | 2001-000003 | R-CARBON:330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R935 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R937 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R938 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R939 | 2001-001153 | R-CARBON(S):470HM,5%,1/2W,AA,TP,2.4X6.4M | |
| R940 | 2001-000281 | R-CARBON:1000HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R941 | 2001-000281 | R-CARBON:1000HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R942 | 2001-000281 | R-CARBON:1000HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R943 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R945 | 2001-000281 | R-CARBON:1000HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R946 | 2001-000515 | R-CARBON:2200HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R947 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R948 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R952 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R953 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| △ RL801S | 3501-001040 | RELAY-POWER:12VDC,500mW,10A,1FormA,15mS, | |
| RM901 | AA59-60001U | MODULE-REMOCON:-,ORC-50VF/SR-12V,38KHz,9 | |
| △ RR430S | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| △ RY802S | 2002-001013 | R-COMPOSITION:4.7Mohm,5%,1/2W,AA,TP,3.7x | |
| SW901 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW902 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW903 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW904 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW905 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW906 | 3404-001004 | SWITCH-TACT:12V,50mA,160GF,8.4X22.7MM,SP | |
| T401A | AA26-50001B | TRANS-HORIZ.DRIVE:-,7.1mH,102uH,10-20uH, | |
| △ T444S | AA26-00066A | TRANS FBT:-,FSV-14B003C(S),20/21,125V | |
| △ T801S | AA26-00064A | TRANS SWITCHING:CODE-NO,CT-15A8:-,AC90-2 | |
| △ TU01S | AA40-00021A | TUNER F/S:TCPN3081PA09A(S),NTSC,TR,181CH | |
| △ V999S | 3704-001105 | SOCKET-CRT:11P,20PI,26.5PI,NI,- | |
| △ VP801S | 1405-000152 | VARISTOR:560V,2500A,14x8.5mm,TP | |
| △ VX801S | 1405-000152 | VARISTOR:560V,2500A,14x8.5mm,TP | |
| X201 | 2801-003432 | CRYSTAL-UNIT:20.25MHZ,30PPM,28-AAM,13PF, | |
| X601 | 2801-003903 | CRYSTAL-UNIT:18.432MHz,25ppm,28-AAM,12pf | |
| X901 | 2801-003728 | CRYSTAL-UNIT:6MHz,30ppm,28-AAM,20pf,40oh | |
| | AA39-20010B | LEAD CONNECTOR-ASSY:-,YFH800-01,S,1P,500 | |
| | AA39-20010H | LEAD CONNECTOR-ASSY:-,YFH800-01,S,1P,300 | |
| | AA39-20536B | LEAD CONNECTOR-ASSY:-,-----,F, | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|-------------|--|--------|
| ASSY CABINET FRONT | | | |
| * AA91-00393E ASSY CABINET FRONT:-,15A8 NT-AMER,(SPK)S | | | |
| * AA90-00317N ASSY CABINET:15A8,CL15A8L7X/GSU | | | |
| AV+CF | 6006-001095 | SCREW-ASSY TAPT:WP,BH:+,M4,L12,ZPC(YEL) | |
| CB+CF | 6003-001025 | SCREW-TAPTITE:RH:+,B,M4,L20,ZPC(BLK),SWR | |
| CB+JCK | 6003-001026 | SCREW-TAPTITE:RH:+,B,M4,L15,ZPC(BLK),SWR | |
| CRT+CF | AA60-10050R | SCREW-ASSY:WC,HH:+,M5,L31.5,SWRCH18A,ZPC | |
| KC+CF | 6003-001026 | SCREW-TAPTITE:RH:+,B,M4,L15,ZPC(BLK),SWR | |
| PCB | AA64-01230B | INLAY-COVER:D2,D3,PVC-SHEET,T0.4,94V0,- | |
| SPK+CF | 6003-001019 | SCREW-TAPTITE:RH:+,B,M4,L12,ZPC(BLK),SWR | |
| WIN+CF | 6003-001026 | SCREW-TAPTITE:RH:+,B,M4,L15,ZPC(BLK),SWR | |
| | AA64-00869C | CABINET BACK:15A8,-,HIPS,HB,BLK | |
| | AA65-30008A | CLAMP-CORD:PE,HB,BLK,-,-,- | |
| | AA65-30107A | CLAMP-D,COIL:NYLON 66,V2,NTR,-,20-22 INC | |
| | AA64-00892B | INLAY BACK:D2,D3,RCA9P,PS SHEET,T0.3,BLK | |
| | AA61-40113A | STOPPER-PCB:501H,HIPS,NTR,HB,-,- | |
| | AA61-60003J | SPRING-CS:-,SUS304,0.5,0D6,H12,N7,-,-,- | |
| | AA64-00812B | KNOB CONTROL:-,21A8,-,ABS,HB,G3676 | |
| | AA64-00814B | KNOB POWER:-,21A8,-,ABS,HB,G3676 | |
| | AA64-00816B | WINDOW REMOCON:-,21A8,-,PC,V0,VIOLET,- | |
| | AA64-00818B | INDICATOR LED:-,21A8,-,ACRYL,-,CLR,- | |
| | AA64-00868E | CABINET FRONT:15A8,S907P+D004P ELT NT,HI | |
| | AA64-70127A | BADGE-BRAND:AL,FLAT,SILVER,L=40,SAMSUNG, | |
| | AA65-00011B | CLAMP-WIRE:ALL MODEL,NYLON 66,V2,NTR,15M | |
| | AA96-00380A | ASSY SPEAKER:-,16ohm,5W,3001-001072,350/ | |
| | 3001-001072 | SPEAKER:5W,16ohm,90dB,180Hz | |
| | AA39-00102D | LEAD CONNECTOR-ASSY:-,-----,35 | |
| ASSY ACCESSORY | | | |
| * AA94-02412D ASSY ACCESSORY:CL15A8L7X/GSU,KS2A,CHILE | | | |
| | 3721-000136 | PLUG-CONVERSION:2P,4.0mm,N,NI | |
| | AA26-90001F | TRANS-MATCHING:-,300ohm/75ohm,NTSC,40-89 | |
| | AA42-00003A | ANT ROD:-,3S,720mm,ABS,UL/CSA,- | |
| ASSY CRT | | | |
| * AA94-02570A ASSY CRT:AA03-00188A,-,300mG,A36QDT351X(I | | | |
| | AA27-00069A | DEFLECTION-YOKE:-,DIF-1592CA,15,ST,2.0mH | |
| | AA63-60028A | SPACER-DY:NEOPRENE:-,BLK,V0 W12,-,- | |
| | AA27-00002A | MAGNET-CONVERGENCE:-,JH291-SC-OB,29.1MM | |
| | AA03-00188A | CRT COLOR:A36QDT351X(S),15DF,15INCH,0.6, | |
| ASSY-PCB,A/V FRONT | | | |
| * AA95-00631A ASSY-PCB,A/V FRONT:-,CT-21A8,KS2A,-,-,- | | | |
| CA02 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100pf,10%,50V,Y5P,TP | |
| CA03 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100pf,10%,50V,Y5P,TP | |
| CA04 | 2202-000720 | C-CERAMIC,MLC-AXIAL:8.2nF,20%,16V,Y5R,TP | |
| CA05 | 2202-000720 | C-CERAMIC,MLC-AXIAL:8.2nF,20%,16V,Y5R,TP | |
| CA06 | 2401-003102 | C-AL:100uf,20%,10V,GP,TP,5x11.5 | |
| CA07 | 2401-003102 | C-AL:100uf,20%,10V,GP,TP,5x11.5 | |
| CN01A | AA39-20068E | LEAD CONNECTOR-ASSY:-,YBNH025-08,67096-0 | |
| CN05A | AA39-20069D | LEAD CONNECTOR-ASSY:-,YBNH025-05,67096-0 | |
| CN06A | AA39-00070A | LEAD CONNECTOR-ASSY:-,-----,YB | |
| JE01 | 3722-000143 | JACK-PHONE:1P(VER),3.4mm,AG,BLK,NO | |
| JR01 | 3722-001031 | JACK-RCA:3P,3.6MM,#18,AU | |
| LA04 | 2701-000180 | INDUCTOR-AXIAL:33uH,5%,2.5x3.4mm | |
| LA05 | 2701-000180 | INDUCTOR-AXIAL:33uH,5%,2.5x3.4mm | |
| RA01 | 2001-000028 | R-CARBON(S):1000HM,5%,1/2W,AA,TP,2.4X6.4 | |
| RA02 | 2001-000028 | R-CARBON(S):1000HM,5%,1/2W,AA,TP,2.4X6.4 | |

Electrical Parts List

| Loc. No. | Code No. | Description ; Specification | Remark |
|----------|----------|-----------------------------|--------|
|----------|----------|-----------------------------|--------|

ASSY-POWER,CORD

* AA96-20109CASSY-POWER,CORD;-;CP2/NO(4.0),H/C300,KKP

AA39-10006X POWER-CORD;-;KKP419C,KLCE-2F,2.286MT,3P,
AA61-20284A HOLDER;-;P-CORD,PPVO,BLK,KE-002

REMOCON

* AA59-00141AREMOCON;-;TM58,SSM174PT,41,SS,L/GRAY,M

2802-000194 RESONATOR-CERAMIC;8MHz,1.0%,TP,8.5x4.5x5
AA09-00052A IC-MCU;Z86L8808SSC-R5019;-;STICK;-;28

| Loc. No. | Code No. | Description ; Specification | Remark |
|----------|----------|-----------------------------|--------|
|----------|----------|-----------------------------|--------|

7-3 CL21A8W7X/STR (CL21A8W7X/STR and CL21A8W7X/GSU Dissimilar parts)

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|-----------------------------|--------|----------------|---|-----------------------------|--------|
| ASSY PCB MAIN(OPT) | | | | ASSY ACCESSORY | | | |
| | * AA94-01431FASSY PCB MAIN(OPT);CL21A8W7X/STR,KS2A,PERU,- | | | | * AA94-02412BASSY ACCESSORY;CL15A8L7X/STR,KS2A,PERU | | |
| | * AA94-02328AASSY CRT;A51CSH196X03,+380MG,21,ITC,-,- | | | | AA94-02412B AA63-00239C COVER-AV;21A8,HIPS,-,HB,G4309,SV907P+W971,- | | |
| AA94-02328AA03-00128A CRT;- ,A51LSH196X03,+380mG,21INCH,90,53.5%,FLAT | | | | | | | |

7-4 CL21A8W7X

| Loc. No. | Code No. | Description ; Specification | Remark | Loc. No. | Code No. | Description ; Specification | Remark |
|---------------------------|---|--|--------|----------|-------------|--|--------|
| ASSY PCB MAIN(OPT) | | | | | | | |
| BUYER : G/SUPPLY,RCL | | | | | | | |
| | * AA94-01431WASSY PCB MAIN(OPT);CL21A8W7X/GSU,KS2A,CH | | | | | | |
| | * AA94-01431RASSY PCB MAIN(OPT);CL21A8W7X/RCL,KS2A,CHIL | | | | | | |
| C102 | 2401-002463 | C-AL;470uF,20%,16V,GP,TP,8x11.5,5 | | C236 | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,TP,-,5mm | |
| C103 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | C237 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11.5 | |
| C104 | 2401-001363 | C-AL;470uF,20%,16V,GP,TP,10x12.5,5 | | C239 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11.5 | |
| C105 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | | C240 | 2301-000192 | C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm | |
| C106 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11.5 | | C242 | 2301-000310 | C-FILM,PEF;68nF,5%,50V,TP,8.0X8.5X4.0X5, | |
| C115 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | | C243 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | |
| C116 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | | C244 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | |
| C201 | 2401-000553 | C-AL;1uF,10%,50V,GP,TP,5x11.5 | | C245 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP | |
| C202 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | C247 | 2001-000362 | R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| C203 | 2401-002144 | C-AL;47uF,20%,16V,GP,TP,5x11.5 | | C301 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11.5 | |
| C206 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C302 | 2401-000326 | C-AL;100uF,20%,35V,GP,TP,8x11.5,5 | |
| C211 | 2202-000796 | C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,3 | | C303 | 2201-002031 | C-CERAMIC,DISC;0.005nF,0.5pF,50V,NP0,TP, | |
| C212 | 2301-000224 | C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5 | | C304 | 2305-000285 | C-FILM,MPEF;220NF,5%,100V,TP,10.5X5.5X15 | |
| C213 | 2301-000310 | C-FILM,PEF;68nF,5%,50V,TP,8.0X8.5X4.0X5, | | C305 | 2305-000149 | C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5 | |
| C214 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | C306 | 2301-000342 | C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm, | |
| C215 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | C307 | 2401-000360 | C-AL;100uF,20%,50V,GP,TP,8x11.5,5 | |
| C216 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | C308 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C217 | 2401-001026 | C-AL;3.3UF,20%,50V,GP,TP,5X11,5 | | C401 | 2201-000556 | C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5. | |
| C218 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C402 | 2401-001397 | C-AL;470uF,20%,25V,GP,TP,10x16,5 | |
| C219 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C403 | 2201-000556 | C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5. | |
| C220 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C404 | 2401-001397 | C-AL;470uF,20%,25V,GP,TP,10x16,5 | |
| C221 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C407 | 2301-001338 | C-FILM,MPE-PPF;0.68nF,5%,1.6kV,TP,28x7x1 | |
| C222 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C408 | 2305-000382 | C-FILM,MPEF;4.7nF,5%,400V,TP,-,5mm | |
| C223 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C411 | 2301-000104 | C-FILM,PEF;1.2nF,5%,50V,TP,6.5x3.0x5.5mm | |
| C224 | 2201-002031 | C-CERAMIC,DISC;0.005nF,0.5pF,50V,NP0,TP, | | C412 | 2301-000188 | C-FILM,PEF;1nF,5%,100V,TP,10.5x12.5x6.5, | |
| C225 | 2201-002031 | C-CERAMIC,DISC;0.005nF,0.5pF,50V,NP0,TP, | | C414 | 2401-002597 | C-AL;220uF,20%,35V,GP,TP,10x12.5,5 | |
| C226 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | C415 | 2301-000314 | C-FILM,PEF;8.2nF,5%,50V,TP,6.5x3.0x5.5mm | |
| C228 | 2301-000356 | C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m | | C416 | 2301-000289 | C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3,5 | |
| C229 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | C417 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C231 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | C418 | 2401-002597 | C-AL;220uF,20%,35V,GP,TP,10x12.5,5 | |
| C232 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | | C419 | 2202-000796 | C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,3 | |
| C233 | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,TP,-,5mm | | C420 | 2301-001065 | C-FILM,MPEF;47nF,5%,630V,TP,19x15.5x7,7. | |
| C234 | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,TP,-,5mm | | C421 | 2201-000556 | C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5. | |
| C235 | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,TP,-,5mm | | C422 | 2401-001527 | C-AL;47uF,20%,250V,HR,TP,13x25mm,5m | |
| | | | | C424 | 2201-000132 | C-CERAMIC,DISC;0.1nF,10%,500V,Y5P,TP,6.5 | |
| | | | | C427 | 2401-002267 | C-AL;2.2uF,20%,250V,GP,TP,8x11.5,5 | |
| | | | | C429 | 2301-000232 | C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm, | |
| | | | | C504 | 2305-000704 | C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5 | |
| | | | | C505 | 2201-000599 | C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5. | |
| | | | | C506 | 2305-000704 | C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5 | |

Electrical Parts List

| Loc. No. | Code No. | Description : Specification | Remark | Loc. No. | Code No. | Description : Specification | Remark |
|----------|-------------|--|--------|----------|---|--|--------|
| C507 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5. | | C831 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C508 | 2305-000704 | C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5 | | C832 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| C509 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5. | | C835 | 2401-002286 | C-AL:470uF,20%,16V,WT,TP,10x12.5,5 | |
| C511 | 2401-000493 | C-AL:10uF,20%,50V,LZ,TP,5x11mm,5mm | | C837 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C512 | 2401-000914 | C-AL:22uF,20%,16V,GP,TP,5x11,5 | | C838 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| C513 | 2301-000192 | C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm | | C839 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C514 | 2401-000430 | C-AL;10uF,20%,250V,GP,TP,10x16mm,5m | | C840 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C515 | 2401-001232 | C-AL:4.7uF,20%,250V,GP,TP,10x12.5,5 | | C841 | 2401-000611 | C-AL:1uF,20%,50V,WT,TP,5x11,5 | |
| C516 | 2201-002063 | C-CERAMIC,DISC:10nF,+80-20%,3KV,Y5V,TP,1 | | C843 | 2201-000681 | C-CERAMIC,DISC:0.082nF,5%,50V,SL,TP,5x3, | |
| C605 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | C901 | 2202-002037 | C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V | |
| C607 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | | C902 | 2401-000553 | C-AL:1uF,10%,50V,GP,TP,5x11,5 | |
| C608 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | | C904 | 2401-000302 | C-AL:100uF,20%,25V,GP,TP,6.3x11,5 | |
| C609 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | | C905 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | |
| C610 | 2301-000314 | C-FILM,PEF;8.2nF,5%,50V,TP,6.5x3.0x5.5mm | | C907 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C611 | 2301-000314 | C-FILM,PEF;8.2nF,5%,50V,TP,6.5x3.0x5.5mm | | C908 | 2202-000863 | C-CERAMIC,MLC-AXIAL:560pF,10%,50V,Y5P,TP | |
| C612 | 2401-001914 | C-AL:1uF,20%,50V,BP,TP,5x11,5 | | C910 | 2201-000980 | C-CERAMIC,DISC:0.03nF,5%,50V,NP0,TP,5x3, | |
| C613 | 2401-001914 | C-AL:1uF,20%,50V,BP,TP,5x11,5 | | C911 | 2201-000980 | C-CERAMIC,DISC:0.03nF,5%,50V,NP0,TP,5x3, | |
| C617 | 2401-000493 | C-AL:10uF,20%,50V,LZ,TP,5x11mm,5mm | | C913 | 2401-000287 | C-AL:100uF,20%,16V,WT,TP,6.3x11,5 | |
| C620 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | C914 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C621 | 2401-001998 | C-AL;1000uF,20%,25V,GP,TP,10x20,5mm | | C915 | 2401-000287 | C-AL;100uF,20%,16V,WT,TP,6.3x11,5 | |
| C622 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | C916 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C623 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | C917 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | |
| C624 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | C918 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | |
| C625 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | C919 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C626 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | C920 | 2401-000480 | C-AL:10uF,20%,50V,GP,TP,5x11,5 | |
| C627 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | C921 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C628 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | CG501 | AA27-00084A COIL:S-23,-,-,-,-,-,S-23,5000Mohm | | |
| C629 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CG502 | AA27-00084A COIL:S-23,-,-,-,-,-,S-23,5000Mohm | | |
| C630 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | | CG503 | AA27-00084A COIL:S-23,-,-,-,-,-,S-23,5000Mohm | | |
| C631 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | CN501B | AA39-20054A LEAD CONNECTOR-ASSY;-YBNH025-06,S,6P,40 | | |
| C632 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CN502B | AA39-20053A LEAD CONNECTOR-ASSY;-YBNH025-05,S,5P,40 | | |
| C634 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | | CN602 | 3711-002644 CONNECTOR-HEADER:BOX,5P,1R,2.5mm,STRAIGH | | |
| C635 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | CN701 | 3711-002647 CONNECTOR-HEADER:BOX,8P,1R,2.5mm,STRAIGH | | |
| C636 | 2401-001026 | C-AL:3.3uF,20%,50V,GP,TP,5x11,5 | | CN703A | AA39-20053E LEAD CONNECTOR-ASSY;-YBNH025-05,S,5P,20 | | |
| C637 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | | CR401S | 2306-000326 C-FILM,MPPF;4.7nF,5%,1.6KV,TP,28.5x16x9mm | | |
| C638 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CR402S | 2303-001015 C-FILM,PPF;5.5nF,5%,1.6KV,TP,29x9.5x17,2 | | |
| C639 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CR403S | 2303-001001 C-FILM,PPF;22nF,5%,630V,TP,18x14.5x8.5mm | | |
| C640 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | | CR404S | 2306-000235 C-FILM,MPPF;560nF,5%,400V,TP,26*22.5*14, | | |
| C641 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | | CR405S | 2306-000195 C-FILM,MPPF;360nF,5%,400V,TP,26x19x11.5, | | |
| C642 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CW901 | 2503-000156 C-NETWORK:100pF,4,20%,50V | | |
| C643 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | | CX801S | 2306-000318 C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm | | |
| C644 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | CY802S | 2201-000446 C-CERAMIC,DISC:3.3nF,20%,400V,Y5U,TP,15x | | |
| C645 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | D201 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C646 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | D202 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C647 | 2202-000286 | C-CERAMIC,MLC-AXIAL:56pF,5%,50V,SL,TP,1. | | D203 | 0404-000156 DIODE-SCHOTTKY;RB441Q,10V,100mA,DO-34,TP | | |
| C648 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | | D204 | 0404-000156 DIODE-SCHOTTKY;RB441Q,10V,100mA,DO-34,TP | | |
| C650 | 2201-000558 | C-CERAMIC,DISC:0.47nF,10%,50V,Y5P,TP,5x3 | | D205 | 0404-000156 DIODE-SCHOTTKY;RB441Q,10V,100mA,DO-34,TP | | |
| C652 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | | D206 | 0404-000156 DIODE-SCHOTTKY;RB441Q,10V,100mA,DO-34,TP | | |
| C654 | 2202-000286 | C-CERAMIC,MLC-AXIAL:56pF,5%,50V,SL,TP,1. | | D207 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C656 | 2201-000304 | C-CERAMIC,DISC:0.001nF,0.25pF,50V,NP0,TP | | D208 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C657 | 2201-000304 | C-CERAMIC,DISC:0.001nF,0.25pF,50V,NP0,TP | | D209 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C660 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | | D210 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C701 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | | D212 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C707 | 2202-000205 | C-CERAMIC,MLC-AXIAL:22pF,5%,50V,SL,TP,1. | | D301 | 0402-000546 DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T | | |
| C708 | 2202-000205 | C-CERAMIC,MLC-AXIAL:22pF,5%,50V,SL,TP,1. | | D401 | 0402-000540 DIODE-RECTIFIER;RU20A,600V,1.5A,-,TP | | |
| C803 | 2301-000356 | C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m | | D402 | 0402-000540 DIODE-RECTIFIER;RU20A,600V,1.5A,-,TP | | |
| C804 | 2201-000332 | C-CERAMIC,DISC:2.2nF,20%,250V,Y5U,TP,9x4 | | D403 | 0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | |
| C805 | 2201-000332 | C-CERAMIC,DISC:2.2nF,20%,250V,Y5U,TP,9x4 | | D404 | 0402-000534 DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T | | |
| C806 | 2401-001426 | C-AL:470uF,20%,400V,GP,-,35x45mm,10 | | D406 | 0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | |
| C807 | 2301-001342 | C-FILM,PPF;1.5nF,5%,800V,TP,15x6.5x11.5m | | D407 | 0402-000493 DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L | | |
| C808 | 2401-002300 | C-AL:47uF,20%,50V,GP,TP,6.3x11,5 | | D408 | 0402-000546 DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T | | |
| C809 | 2301-000356 | C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m | | D410 | 0402-000493 DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L | | |
| C811 | 2301-000310 | C-FILM,PEF;68nF,5%,50V,TP,8.0x8.5x4.0X5. | | D411 | 0402-000546 DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T | | |
| C814 | 2201-000991 | C-CERAMIC,DISC:0.56nF,10%,2kV,Y5P,TP,7.5 | | D413 | 0402-000537 DIODE-RECTIFIER;RH1A,600V,0.6A,DO-204AC | | |
| C815 | 2401-003026 | C-AL:330uF,20%,200V,GP,ST,22x35,10 | | D502 | 0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | |
| C816 | 2401-000293 | C-AL;100uF,+30-10%,200V,GP,TP,16x25 | | D503 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C817 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5. | | D504 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C818 | 2401-000722 | C-AL:2200uF,20%,25V,WT,TP,16x25,7.5 | | D505 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C819 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5. | | D602 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C820 | 2401-001054 | C-AL:3300uF,20%,25V,GP,TP,18x25,7.5 | | D603 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C821 | 2301-000192 | C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm | | D801 | 0402-001111 DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20 | | |
| C822 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5. | | △D801S | 0402-001160 DIODE-BRIDGE:D5SB60,600V,2.8A,SIP-4,ST | | |
| C823 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | D803 | 0402-000546 DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T | | |
| C825 | 2306-000122 | C-FILM,MPPF;100nF,5%,50V,TP,7.3x4.0x5.0m | | D804 | 0401-000005 DIODE-SWITCHING;1N4148,100V,200MA,DO-35, | | |
| C826 | 2401-001363 | C-AL:470uF,20%,16V,GP,TP,10x12.5,5 | | D808 | 0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | |
| C827 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | | D810 | 0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | |
| C829 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m | | D811 | 0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | | |

Electrical Parts List

| Loc. No. | Code No. | Description : Specification | Remark |
|----------|-------------|---|--------|
| Q907 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q908 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q909 | 0505-000109 | FET-SILICON:2N7000,N,60V,200mA,5ohm,400m | |
| Q910 | 0505-000109 | FET-SILICON:2N7000,N,60V,200mA,5ohm,400m | |
| Q911 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| R102 | 2001-000924 | R-CARBON:680OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R103 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R105 | 2001-000786 | R-CARBON:47KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R106 | 2001-000864 | R-CARBON:56KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R201 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R202 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R203 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R204 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R205 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R206 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R207 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R208 | 2001-000405 | R-CARBON:180OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R209 | 2001-000221 | R-CARBON:1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R210 | 2001-000812 | R-CARBON:5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R211 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R212 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R213 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R214 | 2001-000008 | R-CARBON:15KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R215 | 2001-000522 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R216 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R222 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R223 | 2001-000628 | R-CARBON:300OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R224 | 2001-000628 | R-CARBON:300OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R225 | 2001-000628 | R-CARBON:300OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R226 | 2001-000628 | R-CARBON:300OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R228 | 2001-001170 | R-CARBON(S):6.8OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R231 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R232 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R233 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R234 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R235 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R236 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R237 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R238 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R239 | 2001-001114 | R-CARBON(S):270OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R241 | 2001-000343 | R-CARBON:130OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R245 | 2001-000005 | R-CARBON:390ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R246 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R248 | 2001-000969 | R-CARBON:750HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R249 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R250 | 2001-000005 | R-CARBON:390ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R251 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R252 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R253 | 2001-000969 | R-CARBON:750HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R254 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R255 | 2001-000005 | R-CARBON:390ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R256 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R258 | 2001-000969 | R-CARBON:750HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R259 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R260 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R261 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R262 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R263 | 2001-000786 | R-CARBON:47KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R264 | 2001-000003 | R-CARBON:330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R265 | 2001-000003 | R-CARBON:330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R267 | 2001-000003 | R-CARBON:330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R301 | 2004-001397 | R-METAL(S):4.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R302 | 2004-001984 | R-METAL(S):26.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R303 | 2001-000016 | R-CARBON(S):1OHM,5%,1/2W,AA,TP,2.4X6.4MM | |
| R304 | 2008-001013 | R-FUSIBLE(S):1.2ohm,5%,2W,AF,TP,3.9x10mm | |
| R305 | 2003-002182 | R-METAL OXIDE(S):470ohm,5%,2W,AG,TP,3.9x | |
| R306 | 2003-002182 | R-METAL OXIDE(S):470ohm,5%,2W,AG,TP,3.9x | |
| R309 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R310 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R313 | 2001-000890 | R-CARBON:6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R314 | 2004-001986 | R-METAL(S):35.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R315 | 2004-004970 | R-METAL(S):62Kohm,1%,1/8W,AA,TP,1.8x3.2m | |
| R401 | 2003-002186 | R-METAL OXIDE(S):22Kohm,5%,2W,AG,TP,3.9x | |
| R402 | 2003-002186 | R-METAL OXIDE(S):22Kohm,5%,2W,AG,TP,3.9x | |
| R403 | 2003-002037 | R-METAL OXIDE(S):270ohm,5%,2W,AF,TP,3.9x | |
| R405 | 2008-001018 | R-FUSIBLE(S):0.47ohm,10%,2W,AF,TP,3.9x10 | |
| R407 | 2001-000066 | R-CARBON(S):10KOHM,5%,1/2W,AA,TP,2.4X6.4 | |

| Loc. No. | Code No. | Description : Specification | Remark |
|----------|-------------|---|--------|
| R408 | 2008-000284 | R-FUSIBLE(S):0.1OHM,10%,2W,AF,TP,3.9X10M | |
| R409 | 2001-001165 | R-CARBON(S):560OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R410 | 2001-001192 | R-CARBON(S):820OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R411 | 2001-000281 | R-CARBON:1000HM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R412 | 2001-000020 | R-CARBON(S):220HM,5%,1/2W,AA,TP,2.4X6.4M | |
| R413 | 2008-001018 | R-FUSIBLE(S):0.47ohm,10%,2W,AF,TP,3.9x10 | |
| R414 | 2001-001165 | R-CARBON(S):560OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R415 | 2001-001054 | R-CARBON(S):1.6KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R417 | 2004-001893 | R-METAL(S):22Kohm,1%,1/2W,AA,TP,2.5x6.5m | |
| R418 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R420 | 2001-001168 | R-CARBON(S):6.8KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R421 | 2001-001144 | R-CARBON(S):4.7KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R424 | 2008-001018 | R-FUSIBLE(S):0.47ohm,10%,2W,AF,TP,3.9x10 | |
| R425 | 2008-001018 | R-FUSIBLE(S):0.47ohm,10%,2W,AF,TP,3.9x10 | |
| R426 | 2003-000540 | R-METAL OXIDE(S):1Kohm,5%,2W,AF,TP,4x12m | |
| R427 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R428 | 2001-001106 | R-CARBON(S):220KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R429 | 2004-001397 | R-METAL(S):4.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R432 | 2004-001397 | R-METAL(S):4.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R433 | 2008-001127 | R-FUSIBLE(S):6.8Kohm,5%,1W,AF,TP,3.9X10m | |
| R434 | 2003-000664 | R-METAL OXIDE(S):33ohm,5%,2W,AF,TP,4x12m | |
| R436 | 2003-002151 | R-METAL OXIDE:18KOHM,5%,2W,AG,TP,6X16MM | |
| R437 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R438 | 2001-001131 | R-CARBON(S):33KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R440 | 2001-000273 | R-CARBON:100KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R441 | 2001-001144 | R-CARBON(S):4.7KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R501 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R502 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R503 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R504 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R505 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R506 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R507 | 2001-001194 | R-CARBON(S):82KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R508 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R509 | 2002-001017 | R-COMPOSITION:1Kohm,10%,1/2W,AA,TP,3.7x9 | |
| R510 | 2001-001194 | R-CARBON(S):82KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R511 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R512 | 2002-001017 | R-COMPOSITION:1Kohm,10%,1/2W,AA,TP,3.7x9 | |
| R513 | 2001-001194 | R-CARBON(S):82KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R514 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R515 | 2002-001017 | R-COMPOSITION:1Kohm,10%,1/2W,AA,TP,3.7x9 | |
| R516 | 2002-001012 | R-COMPOSITION:8.2Mohm,5%,1/2W,AA,TP,3.7x | |
| R517 | 2001-001077 | R-CARBON(S):150OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R518 | 2001-001185 | R-CARBON(S):750OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R519 | 2001-000864 | R-CARBON:56KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R520 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R521 | 2001-000832 | R-CARBON:510OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R522 | 2008-000206 | R-FUSIBLE(S):1ohm,5%,1/2W,AF,TP,2.5x6.5m | |
| R523 | 2008-000206 | R-FUSIBLE(S):1ohm,5%,1/2W,AF,TP,2.5x6.5m | |
| R524 | 2008-000299 | R-FUSIBLE(S):47ohm,5%,2W,AF,TP,3.9x10mm | |
| R525 | 2001-001062 | R-CARBON(S):10MOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R526 | 2002-001009 | R-COMPOSITION:2.7Kohm,10%,1/2W,AA,TP,3.7 | |
| R529 | 0403-001316 | DIODE-ZENER:MTZJ3.0A,2.85-3.07V,500mW,DO | |
| R601 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R602 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R603 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R604 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| R605 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R606 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R607 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R608 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R609 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R610 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R611 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R612 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R613 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R614 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R615 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R616 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R617 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R619 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R620 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R621 | 2001-000006 | R-CARBON:2.4KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R622 | 2001-000006 | R-CARBON:2.4KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R623 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R624 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R625 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|----------|-------------|--|--------|
| R626 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R666 | 2009-001011 | R-METAL PLATE:0.18ohm,10%,5W,CL,TP,5x14x | |
| R701 | 2001-000969 | R-CARBON:750OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R702 | 2001-000969 | R-CARBON:750OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R703 | 2001-000969 | R-CARBON:750OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R704 | 2001-000969 | R-CARBON:750OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R705 | 2001-000969 | R-CARBON:750OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R706 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R707 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R708 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R709 | 2001-000938 | R-CARBON:680OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R710 | 2001-000938 | R-CARBON:680OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R715 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R716 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R719 | 2001-000969 | R-CARBON:750OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R720 | 2001-000969 | R-CARBON:750OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R721 | 2001-000969 | R-CARBON:750OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R722 | 2001-000969 | R-CARBON:750OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R723 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R730 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R731 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R802 | 2003-001025 | R-METAL OXIDE(S):15Kohm,5%,2W,AF,TP,3.9x | |
| R803 | 2003-001025 | R-METAL OXIDE(S):15Kohm,5%,2W,AF,TP,3.9x | |
| R804 | 2003-001025 | R-METAL OXIDE(S):15Kohm,5%,2W,AF,TP,3.9x | |
| R805 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R806 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R807 | 2003-000746 | R-METAL OXIDE(S):56ohm,5%,2W,AF,TP,4x12m | |
| R808 | 2003-000746 | R-METAL OXIDE(S):56ohm,5%,2W,AF,TP,4x12m | |
| R809 | 2001-000020 | R-CARBON(S):220OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R810 | 2001-001178 | R-CARBON(S):680OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R811 | 2001-001078 | R-CARBON(S):15KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R812 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R813 | 2001-001153 | R-CARBON(S):470OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R816 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R817 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R818 | 2001-001113 | R-CARBON(S):270KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R819 | 2004-001983 | R-METAL(S):2.49Kohm,1%,1/2W,AA,TP,2.5x6.5 | |
| R821 | 2004-001889 | R-METAL(S):127Kohm,1%,1/2W,AA,TP,2.5x6.5 | |
| R822 | 2001-000273 | R-CARBON:100KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R823 | 2001-000273 | R-CARBON:100KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R824 | 2001-000522 | R-CARBON:22KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R825 | 2001-000066 | R-CARBON(S):10KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R826 | 2001-001072 | R-CARBON(S):120OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R827 | 2008-000284 | R-FUSIBLE(S):0.1OHM,10%,2W,AF,TP,3.9X10mm | |
| R828 | 2008-000266 | R-FUSIBLE(S):1ohm,5%,2W,AF,TP,3.9x10mm | |
| R829 | 2003-001036 | R-METAL OXIDE(S):3.3ohm,5%,2W,AF,TP,3.9x | |
| R831 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R832 | 2001-001153 | R-CARBON(S):470OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R833 | 2001-000472 | R-CARBON:2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R835 | 2003-002211 | R-METAL OXIDE(S):91Kohm,5%,2W,AG,TP,3.9x | |
| R836 | 2003-002211 | R-METAL OXIDE(S):91Kohm,5%,2W,AG,TP,3.9x | |
| R901 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R902 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R903 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R904 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R905 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R906 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R907 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R908 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R909 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R910 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R911 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R912 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R913 | 2001-000947 | R-CARBON:7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R914 | 2001-000221 | R-CARBON:1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R915 | 2001-000577 | R-CARBON:2KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R916 | 2001-000007 | R-CARBON:3KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R917 | 2001-000878 | R-CARBON:6.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R918 | 2001-000009 | R-CARBON:20KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R919 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R920 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R921 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R923 | 2001-000924 | R-CARBON:680OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R924 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R925 | 2001-001035 | R-CARBON:910OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R926 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R927 | 2001-000837 | R-CARBON:51KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|----------|-------------|---|--------|
| R929 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R930 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R931 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R932 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R933 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R934 | 2001-000003 | R-CARBON:330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R935 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R937 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R938 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R939 | 2001-001153 | R-CARBON(S):470OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R940 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R941 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R942 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R943 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R945 | 2001-000281 | R-CARBON:1000OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R946 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R947 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R948 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R952 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R953 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| △ RL801S | 3501-001040 | RELAY-POWER:12VDC,500mW,10A,1FormA,15mS, | |
| RM901 | AA59-60001U | MODULE-REMOCON:.,ORC-50VF/SR-12V,38KHz,9 | |
| △ RR430S | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| △ RY802S | 2002-001013 | R-COMPOSITION:4.7Mohm,5%,1/2W,AA,TP,3.7x | |
| SW901 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW902 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW903 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW904 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW905 | 3404-000244 | SWITCH-TACT:15V,20mA,90-170gf,7.5x7mm,SP | |
| SW906 | 3404-001004 | SWITCH-TACT:12V,50MA,160GF,8.4X22.7MM,SP | |
| △ T401 | AA26-50001R | TRANS-HORIZ.DRIVE:.,80MH,520UH,4UH,G11A | |
| △ T444S | AA26-00057A | TRANS-FBT:.,FUH-29A001B(S),25/29,130 | |
| △ T801S | AA26-00044A | TRANS SWITCHING:.,.,AC90-260V,DC135/15 | |
| △ TU01S | AA40-00021A | TUNER-F/S:TCPN3081PA09A(S),NTSC,TR,181CH | |
| △ V999S | 3704-001105 | SOCKET-CRT:11P,20PI,26.5PI,NI,- | |
| △ VP801S | 1405-000152 | VARISTOR:560V,2500A,14x8.5mm,TP | |
| △ VX801S | 1405-000152 | VARISTOR:560V,2500A,14x8.5mm,TP | |
| X201 | 2801-003432 | CRYSTAL-UNIT:20.25MHZ,30PPM,28-AAM,13PF, | |
| X601 | 2801-003903 | CRYSTAL-UNIT:18.432MHz,25ppm,28-AAM,12pf | |
| X901 | 2801-003728 | CRYSTAL-UNIT:6MHz,30ppm,28-AAM,20pf,40oh | |
| | AA39-20010B | LEAD CONNECTOR-ASSY:.,YFH800-01,S,1P,500 | |
| | AA39-20010H | LEAD CONNECTOR-ASSY:.,YFH800-01,S,1P,300 | |

ASSY CABINET FRONT

* AA91-00327M ASSY CABINET FRONT:.,21A8 NT-AMER,(SPK)S
 * AA90-00369F ASSY CABINET:21A8,CL21A8W7X/GSU

| | | |
|--------|--------------|--|
| AV+CF | 6006-001095 | SCREW-ASS'Y TAPT:WP,BH,+,M4,L12,ZPC(YEL) |
| BACK | AA63-60001X | SPACER-FELT:FELT,T0.5,BLK,330X15,-,- |
| CB+CF | 6003-001025 | SCREW-TAPTITE:RH,+,B,M4,L20,ZPC(BLK),SWR |
| CB+JCK | 6003-001026 | SCREW-TAPTITE:RH,+,B,M4,L15,ZPC(BLK),SWR |
| CF+KN | 6003-001026 | SCREW-TAPTITE:RH,+,B,M4,L15,ZPC(BLK),SWR |
| KNPOW | AA61-60003J | SPRING-CS:.,SUS304,0.5,OD6,H12,N7,-,-,- |
| PCB | AA64-01230B | INLAY-COVER:D2,D3,PVC-SHEET,T0.4,94V0,-, |
| SPK+CF | 6003-001019 | SCREW-TAPTITE:RH,+,B,M4,L12,ZPC(BLK),SWR |
| WIN+CF | 6003-001026 | SCREW-TAPTITE:RH,+,B,M4,L15,ZPC(BLK),SWR |
| | AA60-10050R | SCREW-ASSY:WC,HH,+,M4.5,L31.5,SWRCH18A,ZPC |
| | AA64-00811C | CABINET BACK:21A8,-,HIPS,HB,BLK |
| | AA65-00009B | CLAMP-D,COIL-NYLON 66,V0,-,-,21A8,- |
| | AA65-30008A | CLAMP-CORD:PE,HB,BLK,-,-,- |
| | AA64-00892F | INLAY BACK:D2,D3,RCA9P+DVD,PS SHEET,T0.3 |
| | AA61-40113A | STOPPER-PCB:501H,HIPS,NTR,HB,-,- |
| | AA64-00810J | CABINET FRONT:21A8,S907P+D004P ELT NT,HI |
| | AA64-00812B | KNOB CONTROL:.,21A8,-,ABS,HB,G3676 |
| | AA64-00814B | KNOB POWER:.,21A8,-,ABS,HB,G3676 |
| | AA64-00816B | WINDOW REMOCON:.,21A8,-,PC,V0,VIOLET,- |
| | AA64-00818B | INDICATOR LED:.,21A8,-,ACRYL,-,CLR,- |
| | AA64-70123AB | BADGE-BRAND:AL,SAMSUNG,SILVER,L=50,FLAT, |
| | AA65-00011B | CLAMP-WIRE:ALL MODEL,NYLON 66,V2,NTR,15M |
| | AA96-00358C | ASSY SPEAKER:.,16ohm(x2),5W(x2),3001-000 |
| | 3001-000280 | SPEAKER:5W,16ohm,90dB,150Hz |
| | AA39-00076E | LEAD CONNECTOR-ASSY:.,.,4P,-,-,-,35155 |

Electrical Parts List

| Loc. No. | Code No. | Description ; Specification | Remark |
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ASSY CRT

* AA94-02328BASSY CRT;AA03-00138A,-300mG,A51LSH198X0

AA03-00138A CRT COLOR;A51LSH198X03,-,21DF,0.74,-,-,F

ASSY ACCESSORY

* AA94-02412DASSY ACCESSORY;CL15A8L7X/GSU,KS2A,CHILE

3721-000136 PLUG-CONVERSION;2P,4.0mm,N,NI

AA26-90001F TRANS-MATCHING;- ,300ohm/75ohm,NTSC,40-89

AA42-00003A ANT ROD;- ,3S,720mm,ABS,UL/CSA,-

ASSY-PCB,A/V FRONT

* AA95-00631AASSY-PCB,A/V FRONT;- ,CT-21A8,KS2A,-,-,-

| | | |
|-------|-------------|---|
| CA02 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP |
| CA03 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP |
| CA04 | 2202-000720 | C-CERAMIC,MLC-AXIAL;8.2nF,20%,16V,Y5R,TP |
| CA05 | 2202-000720 | C-CERAMIC,MLC-AXIAL;8.2nF,20%,16V,Y5R,TP |
| CA06 | 2401-003102 | C-AL;100uF,20%,10V,GP,TP;5x11,5 |
| CA07 | 2401-003102 | C-AL;100uF,20%,10V,GP,TP;5x11,5 |
| CN01A | AA39-20068E | LEAD CONNECTOR-ASSY;- ,YBNH025-08,67096-0 |
| CN05A | AA39-20069D | LEAD CONNECTOR-ASSY;- ,YBNH025-05,67096-0 |
| CN06A | AA39-00070A | LEAD CONNECTOR-ASSY;- ,-, -, -, -, -, -, -, -, YB |
| JE01 | 3722-000143 | JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO |
| JR01 | 3722-001031 | JACK-RCA;3P,3.6MM,#18,AU |
| LA04 | 2701-000180 | INDUCTOR-AXIAL;33uH,5%,2.5x3.4mm |
| LA05 | 2701-000180 | INDUCTOR-AXIAL;33uH,5%,2.5x3.4mm |
| RA01 | 2001-000028 | R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4 |
| RA02 | 2001-000028 | R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4 |

ASSY-POWER,CORD

* AA96-20109CASSY-POWER,CORD;- ,CP2/NO(4.0),H/C300,KKP

AA39-10006X POWER-CORD;- ,KKP419C,KLCE-2F,2.286MT,3P,

AA61-20284A HOLDER;- ,P-CORD,PP,VO,BLK,KE-002

REMOCON

* AA59-00141AREMOCON;- ,TM58,SSM174PT,41,SS,L/GRAY,M

7-5 CL25A6W7X/RCL

| Loc. No. | Code No. | Description ; Specification | Remark |
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ASSY PCB MAIN(OPT)

* AA94-02364QASSY PCB MAIN(OPT);CL25A6W7X/RCL,KS2A,-,

| | | | |
|------|-------------|--|--|
| C102 | 2401-002463 | C-AL:470uF,20%,16V,GP,TP,8x11.5,5 | |
| C103 | 2301-000383 | C-FILM,PEF:10nF,5%,50V,TP,6x7x3.2mm,5mm | |
| C104 | 2401-001363 | C-AL:470uF,20%,16V,GP,TP,10x12.5,5 | |
| C105 | 2301-000383 | C-FILM,PEF:10nF,5%,50V,TP,6x7x3.2mm,5mm | |
| C106 | 2401-000603 | C-AL:1uF,20%,50V,GP,TP,5x11,5 | |
| C115 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100pF,10%,50V,Y5P,TP | |
| C116 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100pF,10%,50V,Y5P,TP | |
| C201 | 2401-000553 | C-AL:1uF,10%,50V,GP,TP,5x11,5 | |
| C202 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C203 | 2401-002144 | C-AL:47uF,20%,16V,GP,TP,5x11,5 | |
| C206 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C211 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | |
| C212 | 2301-000224 | C-FILM,PEF:22nF,5%,50V,TP,7.4x3.9x13mm,5 | |
| C213 | 2301-000310 | C-FILM,PEF:68nF,5%,50V,TP,8.0X8.5X4.0X5, | |
| C214 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C215 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C216 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C217 | 2401-001026 | C-AL:3.3UF,20%,50V,GP,TP,5X11,5 | |
| C218 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C219 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C220 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C221 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C222 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C223 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C224 | 2201-002031 | C-CERAMIC,DISC:0.005nF,0.5pF,50V,NP0,TP, | |
| C225 | 2201-002031 | C-CERAMIC,DISC:0.005nF,0.5pF,50V,NP0,TP, | |
| C226 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C228 | 2301-000356 | C-FILM,PEF:47nF,5%,50V,TP,7.5x4.0x6.5,5m | |
| C229 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C231 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C232 | 2202-002037 | C-CERAMIC,MLC-AXIAL:100nF,80-20%,50V,Y5V | |
| C233 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | |
| C234 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | |
| C235 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | |
| C236 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | |
| C237 | 2401-000914 | C-AL:22uF,20%,16V,GP,TP,5x11,5 | |
| C239 | 2401-000603 | C-AL:1uF,20%,50V,GP,TP,5x11,5 | |
| C240 | 2301-000192 | C-FILM,PEF:1nF,5%,50V,TP,5.3x10mm,5mm | |
| C242 | 2301-000310 | C-FILM,PEF:68nF,5%,50V,TP,8.0X8.5X4.0X5, | |
| C243 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100pF,10%,50V,Y5P,TP | |
| C244 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100pF,10%,50V,Y5P,TP | |
| C245 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100pF,10%,50V,Y5P,TP | |
| C247 | 2001-000362 | R-CARBON:150OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| C301 | 2401-000603 | C-AL:1uF,20%,50V,GP,TP,5x11,5 | |
| C302 | 2401-000326 | C-AL:100uF,20%,35V,GP,TP,8x11.5,5 | |
| C303 | 2201-002103 | C-CERAMIC,DISC:0.015nF,5%,500V,NP0,TP,6 | |
| C304 | 2305-000149 | C-FILM,MPEF:100nF,5%,100V,TP,12x12.5x6.5 | |
| C305 | 2305-000149 | C-FILM,MPEF:100nF,5%,100V,TP,12x12.5x6.5 | |
| C306 | 2301-000342 | C-FILM,PEF:2.2nF,5%,50V,TP,7.4x3.9x13mm, | |
| C307 | 2401-000360 | C-AL:100uF,20%,50V,GP,TP,8x11.5,5 | |
| C308 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C401 | 2201-000556 | C-CERAMIC,DISC:0.47nF,10%,500V,Y5P,TP,5 | |
| C402 | 2401-001397 | C-AL:470uF,20%,25V,GP,TP,10x16,5 | |
| C403 | 2201-000556 | C-CERAMIC,DISC:0.47nF,10%,500V,Y5P,TP,5 | |
| C404 | 2401-001397 | C-AL:470uF,20%,25V,GP,TP,10x16,5 | |
| C407 | 2301-001338 | C-FILM,MPE-PPF:0.68nF,5%,1.6kV,TP,28x7x1 | |
| C408 | 2305-000382 | C-FILM,MPEF:4.7nF,5%,400V,TP,-,5mm | |
| C411 | 2301-000104 | C-FILM,PEF:1.2nF,5%,50V,TP,6.5x3.0x5.5mm | |
| C412 | 2301-000188 | C-FILM,PEF:1nF,5%,100V,TP,10.5x12.5x6.5, | |
| C414 | 2401-002597 | C-AL:220uF,20%,35V,GP,TP,10x12.5,5 | |
| C415 | 2301-000314 | C-FILM,PEF:8.2nF,5%,50V,TP,6.5x3.0x5.5mm | |
| C416 | 2301-000289 | C-FILM,PEF:5.6nF,5%,50V,TP,7x6x3,5 | |
| C417 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |

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| C418 | 2401-002597 | C-AL:220uF,20%,35V,GP,TP,10x12.5,5 | |
| C419 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | |
| C420 | 2301-001065 | C-FILM,MPPF:47nF,5%,630V,TP,19x15.5x7,7 | |
| C421 | 2201-000556 | C-CERAMIC,DISC:0.47nF,10%,500V,Y5P,TP,5 | |
| C422 | 2401-001527 | C-AL:47uF,20%,250V,HR,TP,13x25mm,5m | |
| C424 | 2201-000132 | C-CERAMIC,DISC:0.1nF,10%,500V,Y5P,TP,6.5 | |
| C427 | 2401-002267 | C-AL:2.2uF,20%,250V,GP,TP,8x11.5,5 | |
| C429 | 2301-000232 | C-FILM,PEF:3.3nF,5%,50V,TP,8.1x4.5x13mm, | |
| C504 | 2305-000704 | C-FILM,MPEF:100nF,5%,250V,TP,16.5x10.3x5 | |
| C505 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5 | |
| C506 | 2305-000704 | C-FILM,MPEF:100nF,5%,250V,TP,16.5x10.3x5 | |
| C507 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5 | |
| C508 | 2305-000704 | C-FILM,MPEF:100nF,5%,250V,TP,16.5x10.3x5 | |
| C509 | 2201-000599 | C-CERAMIC,DISC:0.56nF,10%,500V,Y5P,TP,5 | |
| C511 | 2401-000493 | C-AL:10uF,20%,50V,LZ,TP,5x11mm,5mm | |
| C512 | 2401-000914 | C-AL:22uF,20%,16V,GP,TP,5x11,5 | |
| C513 | 2301-000192 | C-FILM,PEF:1nF,5%,50V,TP,5.3x10mm,5mm | |
| C514 | 2401-000430 | C-AL:10uF,20%,250V,GP,TP,10x16mm,5m | |
| C515 | 2401-001232 | C-AL:4.7uF,20%,250V,GP,TP,10x12.5,5 | |
| C516 | 2201-002063 | C-CERAMIC,DISC:10nF,+80-20%,3KV,Y5V,TP,1 | |
| C605 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C607 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | |
| C608 | 2202-000796 | C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3 | |
| C609 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | |
| C610 | 2301-000314 | C-FILM,PEF:8.2nF,5%,50V,TP,6.5x3.0x5.5mm | |
| C611 | 2301-000314 | C-FILM,PEF:8.2nF,5%,50V,TP,6.5x3.0x5.5mm | |
| C612 | 2401-001914 | C-AL:1uF,20%,50V,BP,TP,5x11,5 | |
| C613 | 2401-001914 | C-AL:1uF,20%,50V,BP,TP,5x11,5 | |
| C617 | 2401-000493 | C-AL:10uF,20%,50V,LZ,TP,5x11mm,5mm | |
| C620 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C621 | 2401-001998 | C-AL:1000uF,20%,25V,GP,TP,10x20,5mm | |
| C622 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | |
| C623 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C624 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C625 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | |
| C626 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | |
| C627 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C628 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | |
| C629 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C630 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C631 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C632 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C634 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | |
| C635 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C636 | 2401-001026 | C-AL:3.3UF,20%,50V,GP,TP,5X11,5 | |
| C637 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | |
| C638 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C639 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C640 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | |
| C641 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | |
| C642 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C643 | 2401-000027 | C-AL:4.7uF,20%,50V,GP,TP,5x11,5 | |
| C644 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C645 | 2401-002235 | C-AL:10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C646 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0m | |
| C647 | 2202-000286 | C-CERAMIC,MLC-AXIAL:56pF,5%,50V,SL,TP,1 | |
| C648 | 2401-001989 | C-AL:4.7uF,20%,50V,BP,TP,5x11,5 | |
| C650 | 2201-000558 | C-CERAMIC,DISC:0.47nF,10%,50V,Y5P,TP,5x3 | |
| C652 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | |
| C654 | 2202-000286 | C-CERAMIC,MLC-AXIAL:56pF,5%,50V,SL,TP,1 | |
| C656 | 2201-000304 | C-CERAMIC,DISC:0.001nF,0.25pF,50V,NP0,TP | |
| C657 | 2201-000304 | C-CERAMIC,DISC:0.001nF,0.25pF,50V,NP0,TP | |
| C660 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11,5 | |
| C701 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C702 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5P,TP | |
| C707 | 2202-000205 | C-CERAMIC,MLC-AXIAL:22pF,5%,50V,SL,TP,1 | |
| C708 | 2202-000205 | C-CERAMIC,MLC-AXIAL:22pF,5%,50V,SL,TP,1 | |
| C803 | 2301-000356 | C-FILM,PEF:47nF,5%,50V,TP,7.5x4.0x6.5,5m | |

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| △ IC401 | 1202-000103 | IC-VOLTAGE COMP.;393,DIP,8P,300MIL,DUAL, | |
| △ IC501 | 1201-000539 | IC-VIDEO AMP:6101,ZIP,9P,-,SINGLE,-,PLAS | |
| △ IC502 | 1201-000539 | IC-VIDEO AMP:6101,ZIP,9P,-,SINGLE,-,PLAS | |
| △ IC503 | 1201-000539 | IC-VIDEO AMP:6101,ZIP,9P,-,SINGLE,-,PLAS | |
| △ IC601 | 1204-001594 | IC-SOUND PROCESSOR:MSP3440G-B6,SDIP,52P, | |
| △ IC602 | 1201-001064 | IC-POWER AMP:7297,ZIP,15P,-,DUAL,32DB,PL | H/SINK |
| △ IC801S | 1203-001482 | IC-PWM CONTROLLER:3S1265R,TO-3P,5P,210,P | H/SINK |
| △ IC803 | 1203-002085 | IC-VOLTAGE REGULATOR:78R08,TO-220,4P,-,P | |
| △ IC804 | 1203-000284 | IC-POSI.FIXED REG.;7806,TO-220,3P,-,PLAS | H/SINK |
| △ IC901 | AA09-00041A | IC-MCU:SDA555X-OTP,SDA555X-OTP,-,52 | |
| △ IC902 | 1103-001171 | IC-EEPROM:24L161,16KBIT,DIP,8P,300MIL,10 | |
| △ IC903 | 1203-001944 | IC-POSI.FIXED REG.;78RM33,TO-220,3P,-,PL | |
| △ IC904 | 1203-001943 | IC-VOL. DETECTOR:7025,TO-92,3P,-,PLASTIC | |
| J218 | 2202-000231 | C-CERAMIC,MLC-AXIAL:330pF,10%,50V,Y5V,TP | |
| J501 | 2001-000832 | R-CARBON:510OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| J699 | 2701-000168 | INDUCTOR-AXIAL:3.3uH,5%,2.5x3.4mm | |
| J705 | 2701-000142 | INDUCTOR-AXIAL:1uH,10%,2.5x3.4mm | |
| J706 | 2701-000142 | INDUCTOR-AXIAL:1uH,10%,2.5x3.4mm | |
| J707 | 2701-000142 | INDUCTOR-AXIAL:1uH,10%,2.5x3.4mm | |
| J713 | 2701-000142 | INDUCTOR-AXIAL:1uH,10%,2.5x3.4mm | |
| J909 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| JA701 | 3722-001333 | JACK-RCA:9P,3.2mm,NI,BLK,- | |
| JA702 | 3722-001423 | JACK-RCA:3P+S1P,3.4mm,NI,BLK,- | |
| L102 | 2701-000159 | INDUCTOR-AXIAL:22uH,10%,4.2x9.8mm | |
| L103 | 2701-000115 | INDUCTOR-AXIAL:10uH,10%,3x7mm | |
| L201 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L202 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L203 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L204 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L207 | 2701-000168 | INDUCTOR-AXIAL:3.3uH,5%,2.5x3.4mm | |
| L208 | 2701-000168 | INDUCTOR-AXIAL:3.3uH,5%,2.5x3.4mm | |
| L209 | 2701-000168 | INDUCTOR-AXIAL:3.3uH,5%,2.5x3.4mm | |
| L301 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L302 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L303 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L401 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L402 | 2901-000299 | FILTER-EMI ON BOARD:-,6A,UL/CSA,-,9x7.5, | |
| L405 | AA27-00057A | COIL-HORIZ. WIDTH:-,10mH,YL-9N 15x27.5 C | |
| L406 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L407 | 2901-000297 | FILTER-EMI ON BOARD:-,3A,-,3.5x5,TP,- | |
| L408 | AA27-00038A | COIL-HORIZ. WIDTH:-,700UH,15X27,-,BK | |
| L601 | 2701-000168 | INDUCTOR-AXIAL:3.3uH,5%,2.5x3.4mm | |
| L602 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L603 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L604 | 2701-000168 | INDUCTOR-AXIAL:3.3uH,5%,2.5x3.4mm | |
| L605 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L606 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L607 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L608 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L609 | 2701-000168 | INDUCTOR-AXIAL:3.3uH,5%,2.5x3.4mm | |
| L610 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L701 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L702 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L705 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L706 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| L801 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L802 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L803 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L804 | 2901-000297 | FILTER-EMI ON BOARD:-,3A,-,3.5x5,TP,- | |
| L806 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L807 | 2901-000297 | FILTER-EMI ON BOARD:-,3A,-,3.5x5,TP,- | |
| L808 | AA27-10002L | COIL-CHOKE:-,24UH,K,-,2A,-,24UH-K,10X10M | |
| L809 | 3301-000287 | CORE-FERRITE BEAD:AA,3.5x1.0x6.0mm,1500, | |
| L901 | 2901-000299 | FILTER-EMI ON BOARD:-,6A,UL/CSA,-,9x7.5, | |
| L903 | 2901-000299 | FILTER-EMI ON BOARD:-,6A,UL/CSA,-,9x7.5, | |
| L904 | 2901-000299 | FILTER-EMI ON BOARD:-,6A,UL/CSA,-,9x7.5, | |
| L905 | 2001-000995 | R-CARBON:820OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| L906 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| △ LR401S | AA27-00074A | COIL LINEARITY:-,44uH,DR14x15,11mm,18x33 | |
| △ LX801S | AA29-30002F | FILTER-LINE NOISE:-,6mH,2.45A,-,- | |
| △ NT802S | 1404-001045 | THERMISTOR-NTC:4.7OHM,15%,2900K,35.0MW,T | |
| △ PB01S | 1404-000002 | THERMISTOR-PTC:9ohm,20%,,-,TR,RECT,- | |
| △ PC801S | 0604-001038 | PHOTO-COUPLER:TR,130-260%,200mW,DIP-4,ST | |
| Q201 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q202 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q203 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q204 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |

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| Q206 | 0501-000283 | TR-SMALL SIGNAL:KSA539,PNP,400mW,TO-92,T | |
| Q207 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q208 | 0501-000283 | TR-SMALL SIGNAL:KSA539,PNP,400mW,TO-92,T | |
| Q209 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q210 | 0501-000283 | TR-SMALL SIGNAL:KSA539,PNP,400mW,TO-92,T | |
| Q211 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q212 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q213 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q222 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q402 | 0502-001007 | TR-POWER:KSC2073-H2,NPN,25W,TO-220,ST,6 | |
| Q404 | 0505-000156 | FET-SILICON:IRF620,N,200V,5A,0.8ohm,50W, | |
| Q405 | 0501-000283 | TR-SMALL SIGNAL:KSA539,PNP,400mW,TO-92,T | |
| Q501 | 0501-000283 | TR-SMALL SIGNAL:KSA539,PNP,400mW,TO-92,T | |
| Q601 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q602 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q802 | 0501-000369 | TR-SMALL SIGNAL:KSC2331-Y,NPN,1W,TO-92L, | |
| Q901 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q902 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q903 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q904 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q905 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q906 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q907 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q908 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| Q909 | 0505-000109 | FET-SILICON:2N7000,N,60V,200mA,5ohm,400m | |
| Q910 | 0505-000109 | FET-SILICON:2N7000,N,60V,200mA,5ohm,400m | |
| Q911 | 0501-000389 | TR-SMALL SIGNAL:KSC815,NPN,400mW,TO-92,T | |
| R102 | 2001-000924 | R-CARBON:680OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R103 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R105 | 2001-000786 | R-CARBON:47KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R106 | 2001-000864 | R-CARBON:56KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R201 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R202 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R203 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R204 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R205 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R206 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R207 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R208 | 2001-000405 | R-CARBON:180OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R209 | 2001-000221 | R-CARBON:1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R210 | 2001-000812 | R-CARBON:5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R211 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R212 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R213 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R214 | 2001-000008 | R-CARBON:15KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R215 | 2001-000522 | R-CARBON:22KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R216 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R222 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R223 | 2001-000628 | R-CARBON:300OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R224 | 2001-000628 | R-CARBON:300OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R225 | 2001-000628 | R-CARBON:300OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R226 | 2001-000628 | R-CARBON:300OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R228 | 2001-001170 | R-CARBON(S):6.8OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R231 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R232 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R233 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R234 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R235 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R236 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R237 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R238 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R239 | 2001-001114 | R-CARBON(S):270OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R241 | 2001-000343 | R-CARBON:130OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R245 | 2001-000005 | R-CARBON:390ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R246 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R248 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R249 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R254 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R255 | 2001-000005 | R-CARBON:390ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R256 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R258 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R259 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R260 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |

Electrical Parts List

| Loc. No. | Code No. | Description ; Specification | Remark |
|----------|-------------|---|--------|
| R261 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R262 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R263 | 2001-000786 | R-CARBON:47KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R264 | 2001-000003 | R-CARBON:330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R265 | 2001-000003 | R-CARBON:330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R267 | 2001-000003 | R-CARBON:330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R301 | 2004-001397 | R-METAL(S):4.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R302 | 2004-001984 | R-METAL(S):26.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R303 | 2001-000016 | R-CARBON(S):10HM,5%,1/2W,AA,TP,2.4X6.4MM | |
| R304 | 2008-000254 | R-FUSIBLE(S):0.68ohm,5%,2W,AF,TP,3.9x10m | |
| R305 | 2003-002157 | R-METAL OXIDE:220OHM,5%,2W,AG,TP,6X16MM | |
| R306 | 2003-002157 | R-METAL OXIDE:220OHM,5%,2W,AG,TP,6X16MM | |
| R309 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R310 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R313 | 2001-000890 | R-CARBON:6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R314 | 2004-001986 | R-METAL(S):35.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R315 | 2004-004970 | R-METAL(S):62Kohm,1%,1/8W,AA,TP,1.8x3.2m | |
| R401 | 2003-002186 | R-METAL OXIDE(S):22Kohm,5%,2W,AG,TP,3.9x | |
| R402 | 2003-002186 | R-METAL OXIDE(S):22Kohm,5%,2W,AG,TP,3.9x | |
| R403 | 2003-002037 | R-METAL OXIDE(S):270ohm,5%,2W,AF,TP,3.9x | |
| R405 | 2008-001018 | R-FUSIBLE(S):0.47ohm,10%,2W,AF,TP,3.9x10 | |
| R407 | 2001-000066 | R-CARBON(S):10KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R408 | 2008-000284 | R-FUSIBLE(S):0.10HM,10%,2W,AF,TP,3.9X10M | |
| R409 | 2001-001165 | R-CARBON(S):560HM,5%,1/2W,AA,TP,2.4X6.4M | |
| R410 | 2001-001192 | R-CARBON(S):820OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R411 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R412 | 2001-000020 | R-CARBON(S):220HM,5%,1/2W,AA,TP,2.4X6.4M | |
| R413 | 2008-001018 | R-FUSIBLE(S):0.47ohm,10%,2W,AF,TP,3.9x10 | |
| R414 | 2001-001165 | R-CARBON(S):560HM,5%,1/2W,AA,TP,2.4X6.4M | |
| R415 | 2001-001054 | R-CARBON(S):1.6KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R417 | 2004-001893 | R-METAL(S):22Kohm,1%,1/2W,AA,TP,2.5x6.5m | |
| R418 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R420 | 2001-001168 | R-CARBON(S):6.8KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R421 | 2001-001144 | R-CARBON(S):4.7KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R424 | 2008-001018 | R-FUSIBLE(S):0.47ohm,10%,2W,AF,TP,3.9x10 | |
| R425 | 2008-001018 | R-FUSIBLE(S):0.47ohm,10%,2W,AF,TP,3.9x10 | |
| R426 | 2003-000540 | R-METAL OXIDE(S):1Kohm,5%,2W,AF,TP,4x12m | |
| R427 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R428 | 2001-001106 | R-CARBON(S):220KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R429 | 2004-001397 | R-METAL(S):4.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R432 | 2004-001397 | R-METAL(S):4.7Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R433 | 2008-001127 | R-FUSIBLE(S):6.8Kohm,5%,1W,AF,TP,3.9X10m | |
| R434 | 2003-000664 | R-METAL OXIDE(S):33ohm,5%,2W,AF,TP,4x12m | |
| R436 | 2003-002151 | R-METAL OXIDE:18KOHM,5%,2W,AG,TP,6X16MM | |
| R437 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R438 | 2001-001131 | R-CARBON(S):33KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R440 | 2001-000273 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R441 | 2001-001144 | R-CARBON(S):4.7KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R501 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R502 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R503 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R504 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R505 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R506 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R507 | 2001-000085 | R-CARBON(S):100KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R508 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R509 | 2002-001017 | R-COMPOSITION:1Kohm,10%,1/2W,AA,TP,3.7x9 | |
| R510 | 2001-000085 | R-CARBON(S):100KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R511 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R512 | 2002-001017 | R-COMPOSITION:1Kohm,10%,1/2W,AA,TP,3.7x9 | |
| R513 | 2001-000085 | R-CARBON(S):100KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R514 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R515 | 2002-001017 | R-COMPOSITION:1Kohm,10%,1/2W,AA,TP,3.7x9 | |
| R517 | 2001-001077 | R-CARBON(S):150OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R518 | 2001-001185 | R-CARBON(S):750OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R519 | 2001-000864 | R-CARBON:56KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R520 | 2001-000449 | R-CARBON:2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R521 | 2001-000832 | R-CARBON:510OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R522 | 2008-000206 | R-FUSIBLE(S):1ohm,5%,1/2W,AF,TP,2.5x6.5m | |
| R523 | 2008-000206 | R-FUSIBLE(S):1ohm,5%,1/2W,AF,TP,2.5x6.5m | |
| R524 | 2008-000299 | R-FUSIBLE(S):47ohm,5%,2W,AF,TP,3.9x10mm | |
| R525 | 2001-001062 | R-CARBON(S):10MOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R526 | 2002-001009 | R-COMPOSITION:2.7Kohm,10%,1/2W,AA,TP,3.7 | |
| R529 | 0403-001316 | DIODE-ZENER:MTZJ3.0A,2.85-3.07V,500mW,DO | |
| R601 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R602 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R603 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|----------|-------------|---|--------|
| R604 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| R605 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R606 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R607 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R608 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R609 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R610 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R611 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R612 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R613 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R614 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R615 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R616 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R617 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R619 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R620 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R621 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R622 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R623 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R624 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R625 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R626 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R701 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R702 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R703 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R704 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R705 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R706 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R707 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R708 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R709 | 2001-000938 | R-CARBON:68OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R710 | 2001-000938 | R-CARBON:68OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R711 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R712 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R713 | 2701-000142 | INDUCTOR-AXIAL:1uH,10%,2.5x3.4mm | |
| R715 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R716 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R719 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R720 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R721 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R722 | 2001-000969 | R-CARBON:75OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R723 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R730 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R731 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R802 | 2003-001025 | R-METAL OXIDE(S):15Kohm,5%,2W,AF,TP,3.9x | |
| R803 | 2003-001025 | R-METAL OXIDE(S):15Kohm,5%,2W,AF,TP,3.9x | |
| R804 | 2003-001025 | R-METAL OXIDE(S):15Kohm,5%,2W,AF,TP,3.9x | |
| R805 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R806 | 2001-001150 | R-CARBON(S):470KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R807 | 2003-000746 | R-METAL OXIDE(S):56ohm,5%,2W,AF,TP,4x12m | |
| R808 | 2003-000746 | R-METAL OXIDE(S):56ohm,5%,2W,AF,TP,4x12m | |
| R809 | 2001-000022 | R-CARBON(S):330HM,5%,1/2W,AA,TP,2.4X6.4M | |
| R810 | 2001-001178 | R-CARBON(S):680OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R811 | 2001-001078 | R-CARBON(S):15KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R812 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R813 | 2001-001153 | R-CARBON(S):47OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R816 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R817 | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R818 | 2001-001113 | R-CARBON(S):270KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R819 | 2004-001983 | R-METAL(S):2.49Kohm,1%,1/2W,AA,TP,2.4x6.4 | |
| R821 | 2004-001889 | R-METAL(S):127Kohm,1%,1/2W,AA,TP,2.5x6.5 | |
| R822 | 2001-000273 | R-CARBON:100KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R823 | 2001-000273 | R-CARBON:100KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R824 | 2001-000522 | R-CARBON:22KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R825 | 2001-000066 | R-CARBON(S):10KOHM,5%,1/2W,AA,TP,2.4X6.4 | |
| R826 | 2001-001072 | R-CARBON(S):12OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R827 | 2008-000284 | R-FUSIBLE(S):0.1OHM,10%,2W,AF,TP,3.9X10M | |
| R828 | 2008-000266 | R-FUSIBLE(S):1ohm,5%,2W,AF,TP,3.9x10mm | |
| R829 | 2003-001036 | R-METAL OXIDE(S):3.3ohm,5%,2W,AF,TP,3.9x | |
| R831 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R832 | 2001-001153 | R-CARBON(S):47OHM,5%,1/2W,AA,TP,2.4X6.4M | |
| R833 | 2001-000472 | R-CARBON:2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R835 | 2003-002211 | R-METAL OXIDE(S):91Kohm,5%,2W,AG,TP,3.9x | |
| R836 | 2003-002211 | R-METAL OXIDE(S):91Kohm,5%,2W,AG,TP,3.9x | |
| R901 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R902 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R903 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |

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| R904 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R905 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R906 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R907 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R908 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R909 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R910 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R911 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R912 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R913 | 2001-000947 | R-CARBON:7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R914 | 2001-000221 | R-CARBON:1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R919 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R920 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R921 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R922 | 2001-000924 | R-CARBON:680OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R923 | 2001-000924 | R-CARBON:680OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R924 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R925 | 2001-001035 | R-CARBON:910OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R926 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R927 | 2001-000837 | R-CARBON:51KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R929 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R930 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R931 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R932 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R933 | 2001-000780 | R-CARBON:470OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R934 | 2001-000003 | R-CARBON:330ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R935 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R937 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R938 | 2001-000290 | R-CARBON:10KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R940 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R941 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R942 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R943 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R944 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R945 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R946 | 2001-000515 | R-CARBON:220OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| R947 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R948 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R952 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| R953 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M | |
| RL801S | 3501-001040 | RELAY-POWER:12VDC,500mW,10A,1FormA,15mS, | |
| RR430S | 2001-001088 | R-CARBON(S):1KOHM,5%,1/2W,AA,TP,2.4X6.4M | |
| RY802S | 2002-001013 | R-COMPOSITION:4.7Mohm,5%,1/2W,AA,TP,3.7x | |
| T401 | AA26-50001R | TRANS-HORIZ.DRIVE:-,80MH,520UH,4UH,G11A | |
| T444S | AA26-00057A | TRANS-FBT:-,FUH-29A001B(S),25/29,130 | |
| T801S | AA26-00044A | TRANS SWITCHING:-,AC90-260V,DC135/15 | |
| TU01S | AA40-00021A | TUNER-F/S:TCPN3081PA09A(S),NTSC,TR,181CH | |
| V999S | 3704-001105 | SOCKET-CRT:11P,20PI,26.5PI,NL,- | |
| VP801S | 1405-000152 | VARISTOR:560V,2500A,14x8.5mm,TP | |
| VX801S | 1405-000152 | VARISTOR:560V,2500A,14x8.5mm,TP | |
| X201 | 2801-003432 | CRYSTAL-UNIT:20.25MHZ,30PPM,28-AAM,13PF, | |
| X601 | 2801-003903 | CRYSTAL-UNIT:18.432MHz,25ppm,28-AAM,12pF | |
| X901 | 2801-003728 | CRYSTAL-UNIT:6MHz,30ppm,28-AAM,20pF,40oh | |
| | AA39-20010B | LEAD CONNECTOR-ASSY:-,YFH800-01,S,1P,50oh | |
| | AA27-20004U | COIL-DEGAUSSING:-,26,14.0ohm,55T,L2830,E | |
| | AA39-20010D | LEAD CONNECTOR-ASSY:-,YFH800-01,S,1P,400 | |

ASSY CABINET FRONT

* AA90-00117TASSY CABINET:25A6,CL25A6W7X/RCL

* AA91-00173YASSY CABINET FRONT:-,25A6 NT-ASIA,(SPK)S

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|--------|-------------|---|--|
| AV+CF | 6006-001095 | SCREW-ASS'Y TAPT:WP,BH,+,M4,L12,ZPC(YEL) | |
| BRAC+C | 6002-000514 | SCREW-TAPPING:RH,+,2,M4,L15,ZPC(BLK),SWR | |
| CABBAC | AA63-60002A | SPACER-FELT:FELT,TO.35,BLK,330X15,-,- | |
| CB+CF | 6003-001025 | SCREW-TAPTITE:RH,+,B,M4,L20,ZPC(BLK),SWR | |
| CB+TER | 6003-001025 | SCREW-TAPTITE:RH,+,B,M4,L20,ZPC(BLK),SWR | |
| CF+CRT | AA60-10050V | SCREW-ASSY:WC,HH,+,M6,L30,SWRCH18A,ZPC(S) | |
| CF+CRT | AA61-10053A | BRACKET-CRATER:-,7277,STS304,TO.5,-,-,- | |
| DOVE | 6003-001026 | SCREW-TAPTITE:RH,+,B,M4,L15,ZPC(BLK),SWR | |
| KCON+C | 6003-001019 | SCREW-TAPTITE:RH,+,B,M4,L12,ZPC(BLK),SWR | |
| LED+CF | 6003-001019 | SCREW-TAPTITE:RH,+,B,M4,L12,ZPC(BLK),SWR | |
| PCB | AA64-01230B | INLAY-COVER:D2,D3,PVC-SHEET,TO.4,94V0,-, | |
| SPKR+C | 6003-001019 | SCREW-TAPTITE:RH,+,B,M4,L12,ZPC(BLK),SWR | |
| TER+RJ | 6003-001025 | SCREW-TAPTITE:RH,+,B,M4,L20,ZPC(BLK),SWR | |

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| AA63-60004P | SPACER-GUM,CRT:NTR RUBBER,T2,GRY,-,-,- | |
| AA64-00239D | CABINET BACK:-,25A6,-,HIPS,HB,BLK,-,- | |
| AA65-30008A | CLAMP-CORD:PE,HB,BLK,-,-,- | |
| AA65-30017A | CLAMP-D,COIL:NYLON-66,V0,NTR,DADH300,25 | |
| AA65-30113A | CLAMP-D,COIL:NYLON 66,V2,BLK,TVI 25-29,- | |
| AA61-00343A | SPRING-CS:-,SUS304,-,-,-,0.4,0D6,H12,N | |
| AA64-00238T | CABINET FRONT:25A6,G906P+B702P NT-AMER,H | |
| AA64-00240B | DOOR-AV:-,25A6,BK702P,ABS,HB,BLK,-,- | |
| AA64-00241C | WINDOW-REMOCON:-,25A6,W971,PC,VO,VIOLET, | |
| AA64-00242B | INDICATOR-LED:-,25A6,-,ACRYL,-,CLEAR,- | |
| AA64-00243D | KNOB-POWER:-,25A6,NO-SILK W971,PC,VO,VIO | |
| AA64-00245B | KNOB-CONTROL:-,25A6,BK702P+W971,ABS,HB,B | |
| AA64-00246E | INLAY-AV:25A6,S51A EL,PS SHEET,-,BLK,-, | |
| AA64-60399B | INLAY-AV:2955,-,PS,TO.3,BLK,-,- | |
| AA64-70117B | BADGE-BRAND:AL,SS,SILVER,L65,R2000,-,- | |
| AA91-00340A | ASSY HOLDER SPK:-,PP,8ohm/15W,blk,housin | |

ASSY-HOLDER,SPK

* AA91-00026AASSY-HOLDER,SPK:-,PP,8OHM/10W,BLK,SEMI-D

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| AA91-00447B | ASSY TERMINAL BOARD:-,HIPS,VO,BLK,KS2A R | |
| AA63-00072B | TERMINAL-BOARD:-,HIPS VO BLK,-,K51A,S51A | |
| AA64-00247C | INLAY-BACK:25A6 KS2A,PS SHEET,TO.5,-,BLK | |

ASSY CRT

* AA94-01271CASSY CRT:AA03-00133A,-,300mG,A59QDF891X0

AA03-00144A CRT COLOR:-,A59QDF891X002,-,300mG,25DF,90

ASSY ACCESSORY

* AA94-02412SASSY ACCESSORY:CL25A6W7X/RCL,KS2A,CHIL

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| 3721-000136 | PLUG-CONVERSION:2P,4.0mm,N,Nl | |
| AA26-90001F | TRANS-MATCHING:-,300ohm/75ohm,NTSC,40-89 | |
| AA39-40001B | CABLE-RCA:-,RCA,1500mm,0.12/10,RED/WHT/Y | |

ASSY-PCB,A/V SIDE

* AA95-00491AASSY-PCB,A/V SIDE:-,CS25A6,S51A,PAL,-,-

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|-------|-------------|--|--|
| CC01 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11.5 | |
| CC02 | 2401-001840 | C-AL:100uF,20%,16V,GP,TP,6.3x11.5 | |
| CC03 | 2202-000720 | C-CERAMIC,MLC-AXIAL:8.2nF,20%,16V,Y5R,TP | |
| CC04 | 2202-000720 | C-CERAMIC,MLC-AXIAL:8.2nF,20%,16V,Y5R,TP | |
| CC05 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100pF,10%,50V,Y5P,TP | |
| CC06 | 2202-000121 | C-CERAMIC,MLC-AXIAL:100pF,10%,50V,Y5P,TP | |
| CNC01 | AA39-20177B | LEAD CONNECTOR-ASSY:-,YBNH250-05,67096-0 | |
| CNC02 | AA39-20499B | LEAD CONNECTOR-ASSY:-,YBNH025-04,SMP025- | |
| CNC03 | AA39-20068G | LEAD CONNECTOR-ASSY:-,YBNH025-08,67096-0 | |
| HC01 | 3722-000143 | JACK-PHONE:1P(VER),3.4mm,AG,BLK,NO | |
| JAC01 | 3722-001031 | JACK-RCA:3P,3.6MM,#18,AU | |
| LC01 | 2701-000180 | INDUCTOR-AXIAL:33uH,5%,2.5x3.4mm | |
| LC02 | 2701-000180 | INDUCTOR-AXIAL:33uH,5%,2.5x3.4mm | |
| LC04 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| LC05 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | |
| PCB | AA41-00122A | PCB-AV SIDE:S51A,1LFR-1,245X245X1.6T,8A | |
| RC01 | 2001-000028 | R-CARBON(S):100OHM,5%,1/2W,AA,TP,2.4X6.4 | |
| RC02 | 2001-000028 | R-CARBON(S):100OHM,5%,1/2W,AA,TP,2.4X6.4 | |

ASSY-PCB,VIDEO S/W

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| CNS01 | 3711-002704 | CONNECTOR-HEADER:NOWALL,6P,1R,2.5mm,ANGL | |
| CNS02 | 3711-002706 | CONNECTOR-HEADER:NOWALL,8P,1R,2.5mm,ANGL | |
| CS01 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | |
| CS02 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | |

Electrical Parts List

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| CS03 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | | | | | |
| CS04 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | | | | | |
| CS05 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | | | | | |
| CS06 | 2305-000412 | C-FILM,MPEF:470nF,5%,63V,TP,-,5mm | | | | | |
| CS07 | 2401-002009 | C-AL:100uF,20%,16V,GP,TP,6.3x7.5 | | | | | |
| CS08 | 2305-000665 | C-FILM,MPEF:100nF,5%,63V,TP,7.5x4.0x5.0mm | | | | | |
| H001 | AA95-00683A | ASSY-PCB,VIDEO S/W,-,29A6,KS3A,PAL,-,- | | | | | |
| △ICS01 | 1001-001114 | IC-VIDEO SWITCH;TEA6425,VIDEO SWITCH ,DI | | | | | |
| LS01 | 2701-000114 | INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm | | | | | |
| QS01 | 0501-000389 | TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T | | | | | |
| QS02 | 0501-000389 | TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T | | | | | |
| QS03 | 0501-000389 | TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T | | | | | |
| RS01 | 2001-000281 | R-CARBON:100OHM,5%,1/8W,AA,TP,1.8X3.2MM | | | | | |
| RS02 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM | | | | | |
| RS03 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | | | | | |
| RS04 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM | | | | | |
| RS05 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | | | | | |
| RS06 | 2001-000734 | R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM | | | | | |
| RS07 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | | | | | |
| RS10 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | | | | | |
| RS11 | 2001-000429 | R-CARBON:1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | | | | | |

ASSY-PCB,CONTROL

* AA95-00757A ASSY-PCB,CONTROL:-,CL25A6P7X/XAP,KS4A,NT

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| CC904 | 2401-001496 | C-AL:47uF,20%,16V,GP,TP,5x7.5 | |
| CNC901 | AA39-20523A | LEAD CONNECTOR-ASSY:-,YBNH025-05,67096-0 | |
| CNC902 | AA39-00100A | LEAD CONNECTOR-ASSY:-,,-,-,-,-,-,-,-,YB | |
| DC01 | 0403-000508 | DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500 | |
| LDC901 | 0601-000262 | LED:ROUND,RED,5mm,700nm | |
| LDC902 | 0601-000465 | LED:ROUND,GRN,5mm,565 | |
| RC915 | 2001-000577 | R-CARBON:2KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| RC916 | 2001-000007 | R-CARBON:3KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| RC917 | 2001-000878 | R-CARBON:6.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| RC918 | 2001-000009 | R-CARBON:20KOHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| RC939 | 2001-000793 | R-CARBON:47OHM,5%,1/8W,AA,TP,1.8X3.2MM | |
| RMC901 | AA59-60002B | MODULE-REMOCON:-,ORC-50HF,38KHZ,940MM,ME | |
| SWC901 | 3404-000176 | SWITCH-TACT:12V,50mA,120gf,6x6mm,SPST | |
| SWC902 | 3404-000176 | SWITCH-TACT:12V,50mA,120gf,6x6mm,SPST | |
| SWC903 | 3404-000176 | SWITCH-TACT:12V,50mA,120gf,6x6mm,SPST | |
| SWC904 | 3404-000176 | SWITCH-TACT:12V,50mA,120gf,6x6mm,SPST | |
| SWC905 | 3404-000176 | SWITCH-TACT:12V,50mA,120gf,6x6mm,SPST | |
| SWC906 | 3404-000176 | SWITCH-TACT:12V,50mA,120gf,6x6mm,SPST | |
| SWC907 | 3404-000176 | SWITCH-TACT:12V,50mA,120gf,6x6mm,SPST | |
| | AA61-00082B | HOLDER-CONTROL:-,25A6,HIPS,V0,BLK,- | |

ASSY-POWER,CORD

* AA96-20109C ASSY-POWER,CORD:-,CP2/NO(4.0),H/C300,KKP

AA39-10006X POWER-CORD:-,KKP419C,KLCE-2F,2.286MT,3P,
AA61-20284A HOLDER:-,P-CORD,PP,VO,BLK,KE-002

REMOCON

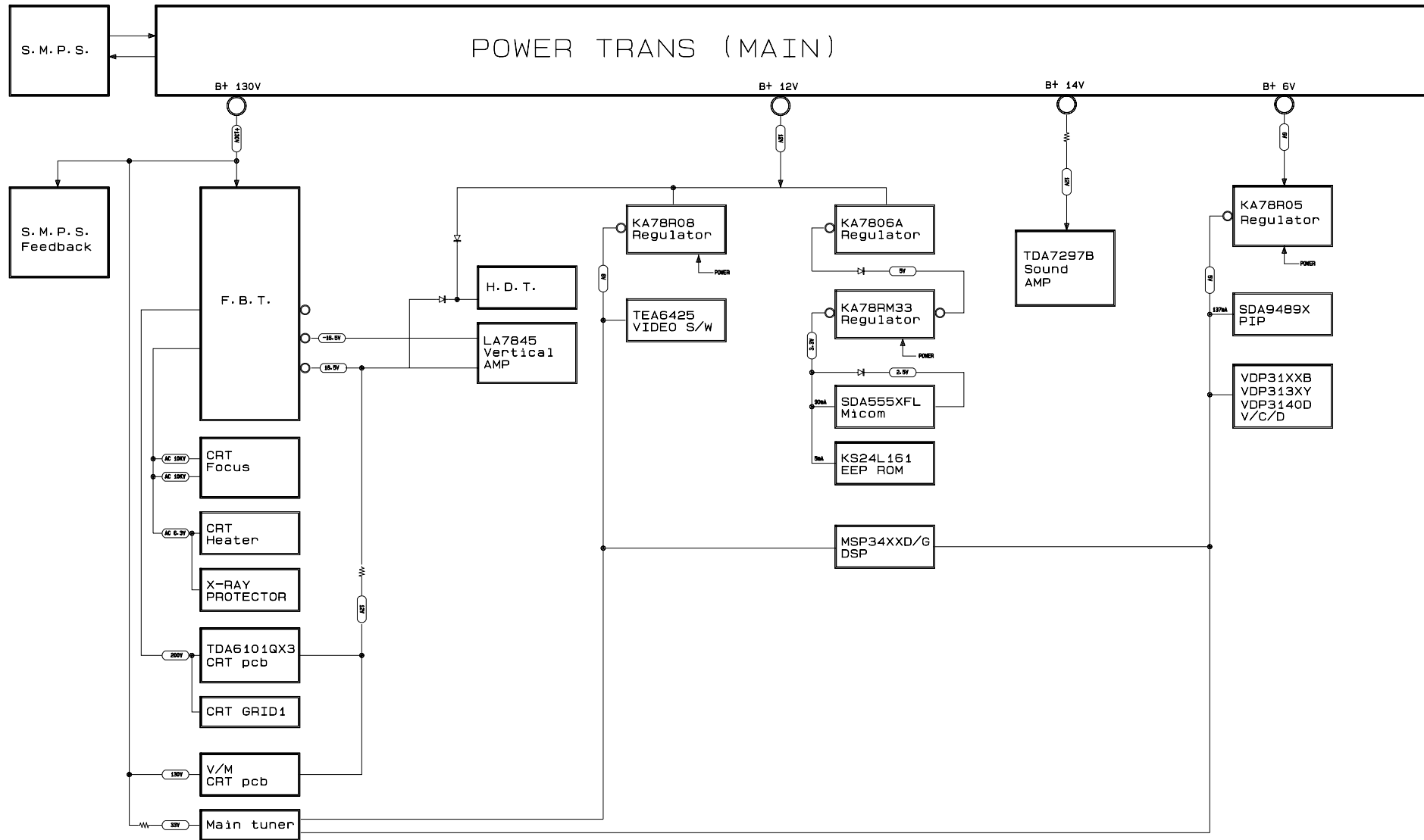
* AA59-00141A REMOCON:-,TM58,SSM174PT,41,SS,L/GRAY,M

2802-000194 RESONATOR-CERAMIC:8MHz,1.0%,TP,8.5x4.5x5
AA09-00052A IC-MCU:Z86L8808SSC-R5019,-,STICK,-,28

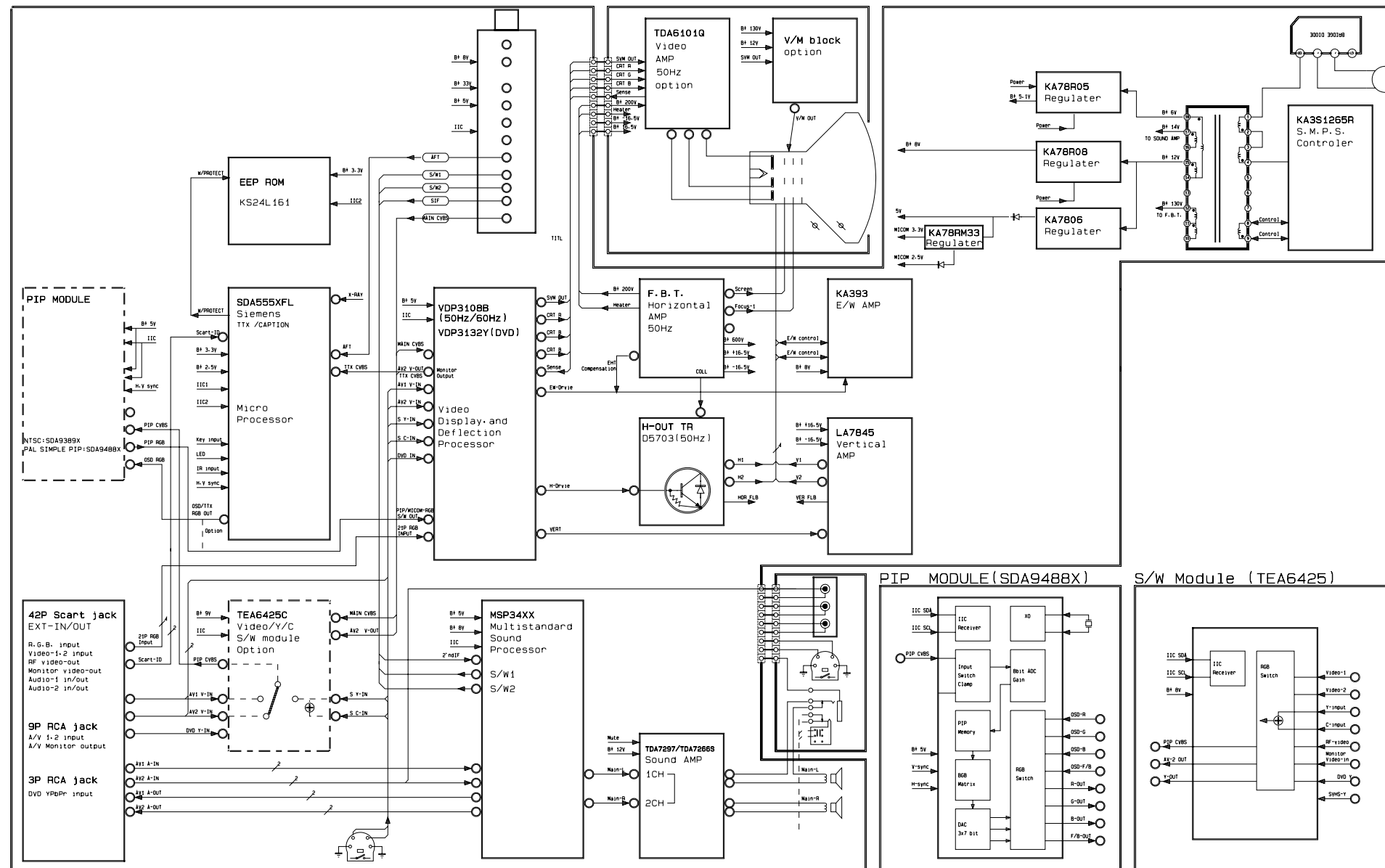
8. Block Diagrams

8-1 Power Diagram

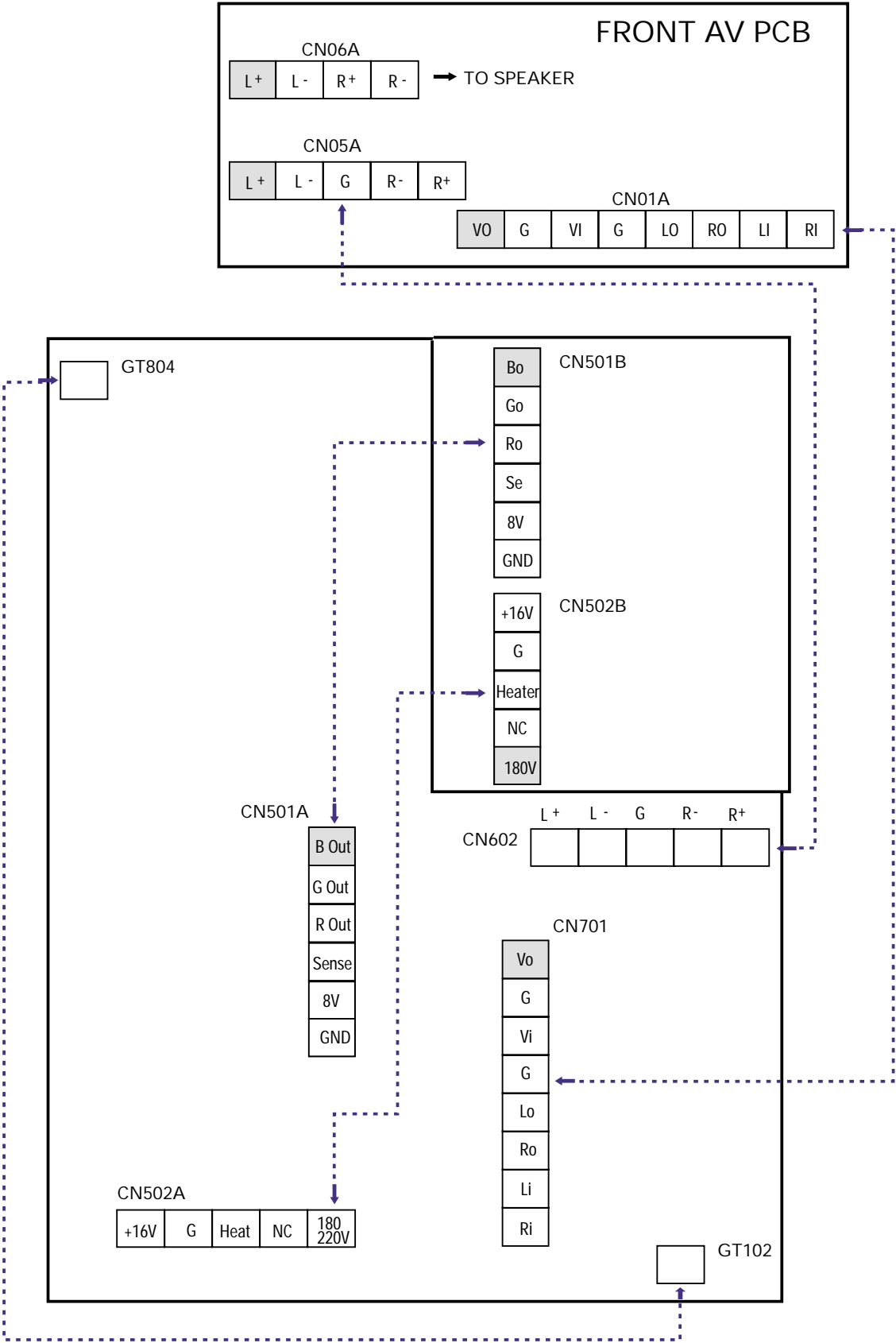
KS2A POWER DIAGRAMS



KS2A POWER DIAGRAMS

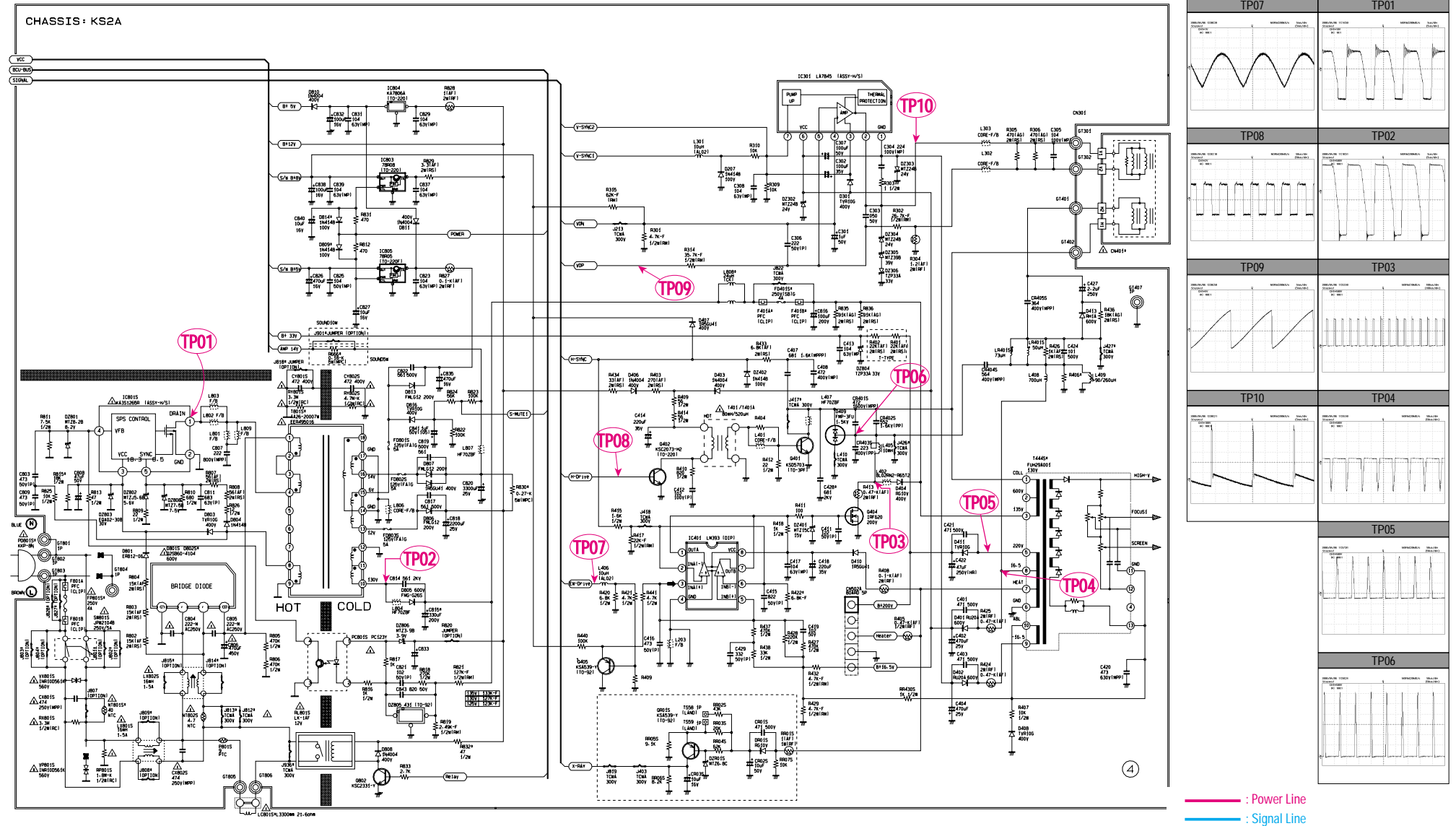


9. Wiring Diagram

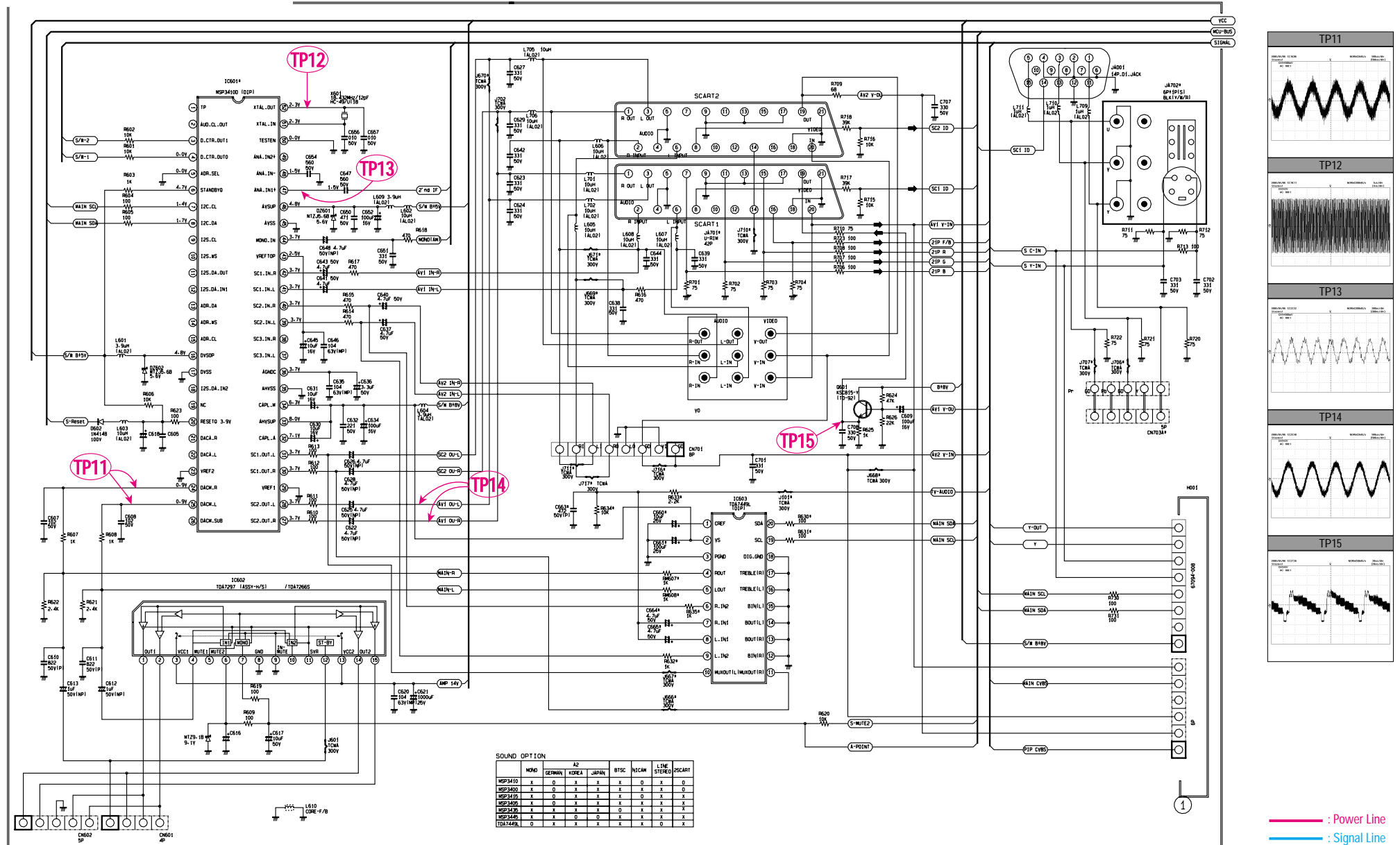


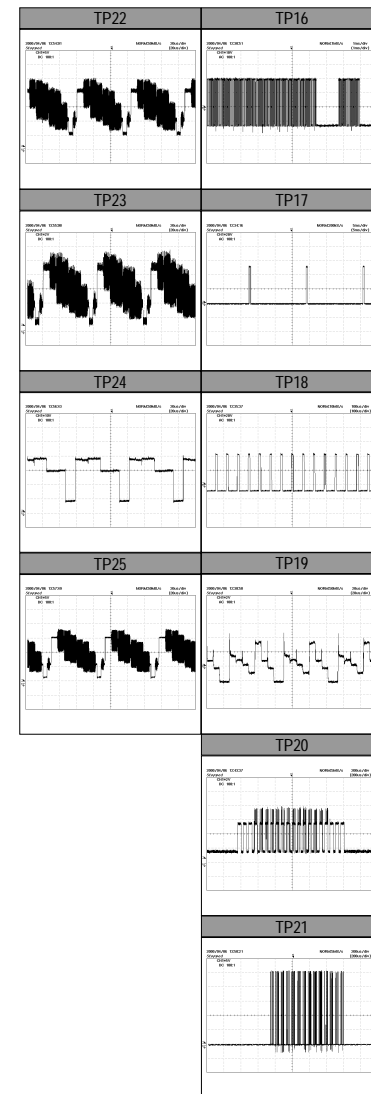
10. Schematic Diagrams

10-1 MAIN 1/4 (WITH EW)



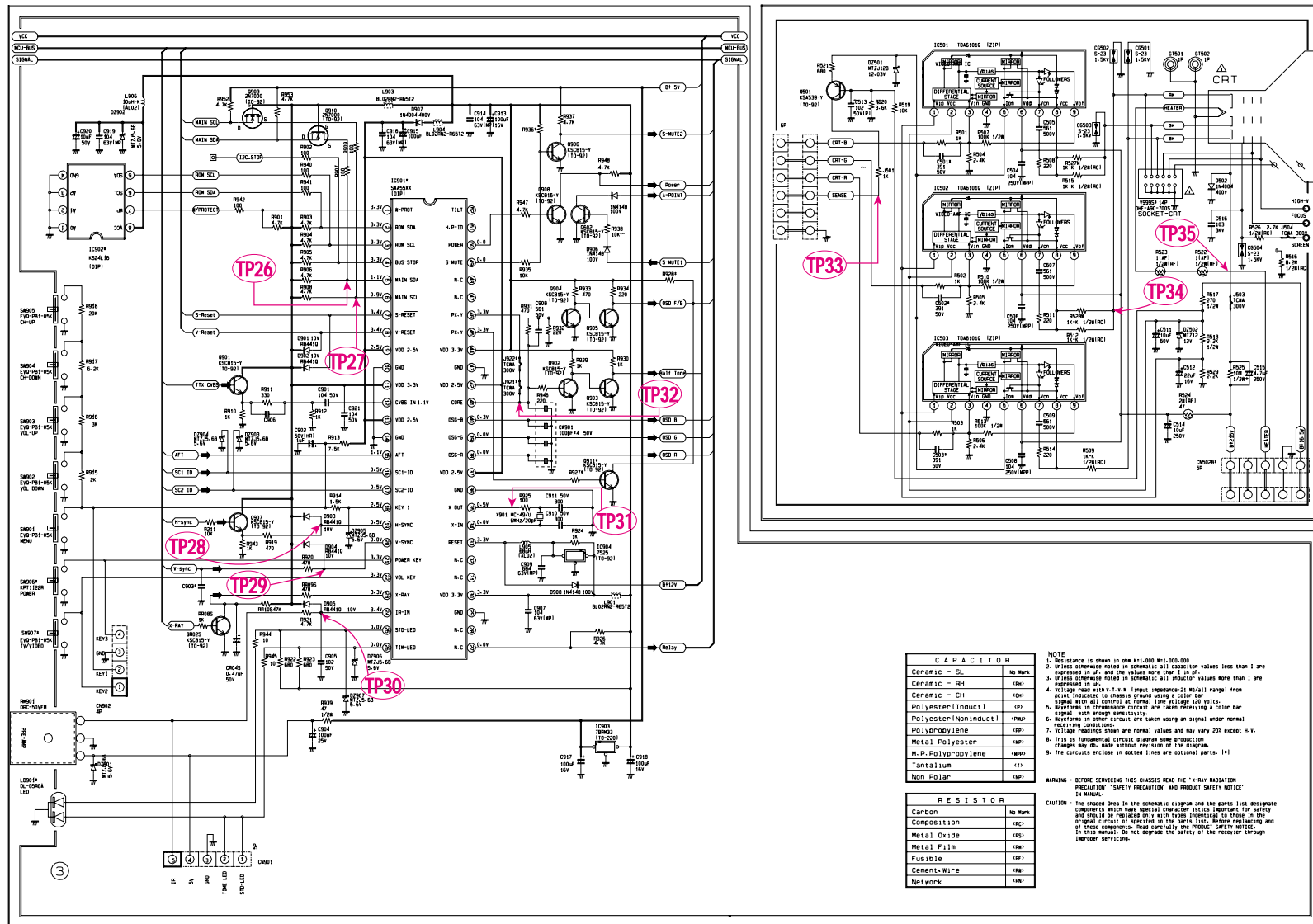
10-2 MAIN 2/4





 : Power Line
 : Signal Line

10-4 MAIN 4/4



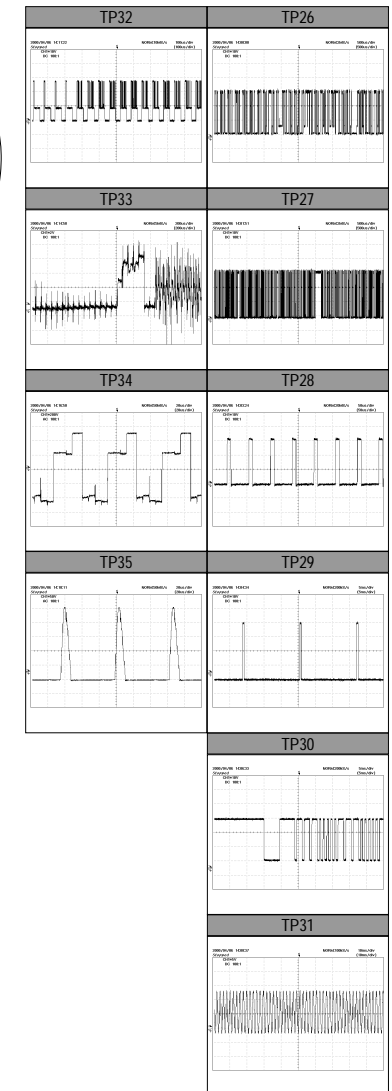
| CAPACITOR | |
|---------------------|---------|
| Ceramic - SL | No Mark |
| Ceramic - CH | (CH) |
| Polyester/Induct | (P) |
| Polyester/Noninduct | (NP) |
| Polypropylene | (PP) |
| Metal Polyester | (MP) |
| M. P. Polypropylene | (MPP) |
| Tantalum | (T) |
| Non Polar | (NP) |

| RESISTOR | |
|-------------|---------|
| Carbon | No Mark |
| Composition | (C) |
| Metal Oxide | (MO) |
| Metal Film | (MF) |
| Fusible | (F) |
| Cement-Wire | (CW) |
| Network | (N) |

- NOTE**
- Resistance is shown in ohm $\times 1,000$ M100,000.
 - Values other than noted in schematic will conductor values less than 1 are expressed in μ and the values more than 1 in p.
 - Values other than noted in schematic will conductor values more than 1 are expressed in μ .
 - Voltage rated with $\times 1.5$ (input impedance 21 M Ω range) from 50V to 100V to chassis ground using a color bar.
 - Signal with all controls at normal line voltage 120 volts.
 - Resistors in chassis circuit are taken using an signal under normal receiving conditions.
 - Voltage readings shown are normal values and may vary 20% except M. P.
 - This is fundamental circuit diagram used production.
 - Changes may be made without revision of the diagram.
 - The circuits enclosed in dotted lines are optional parts. (A)

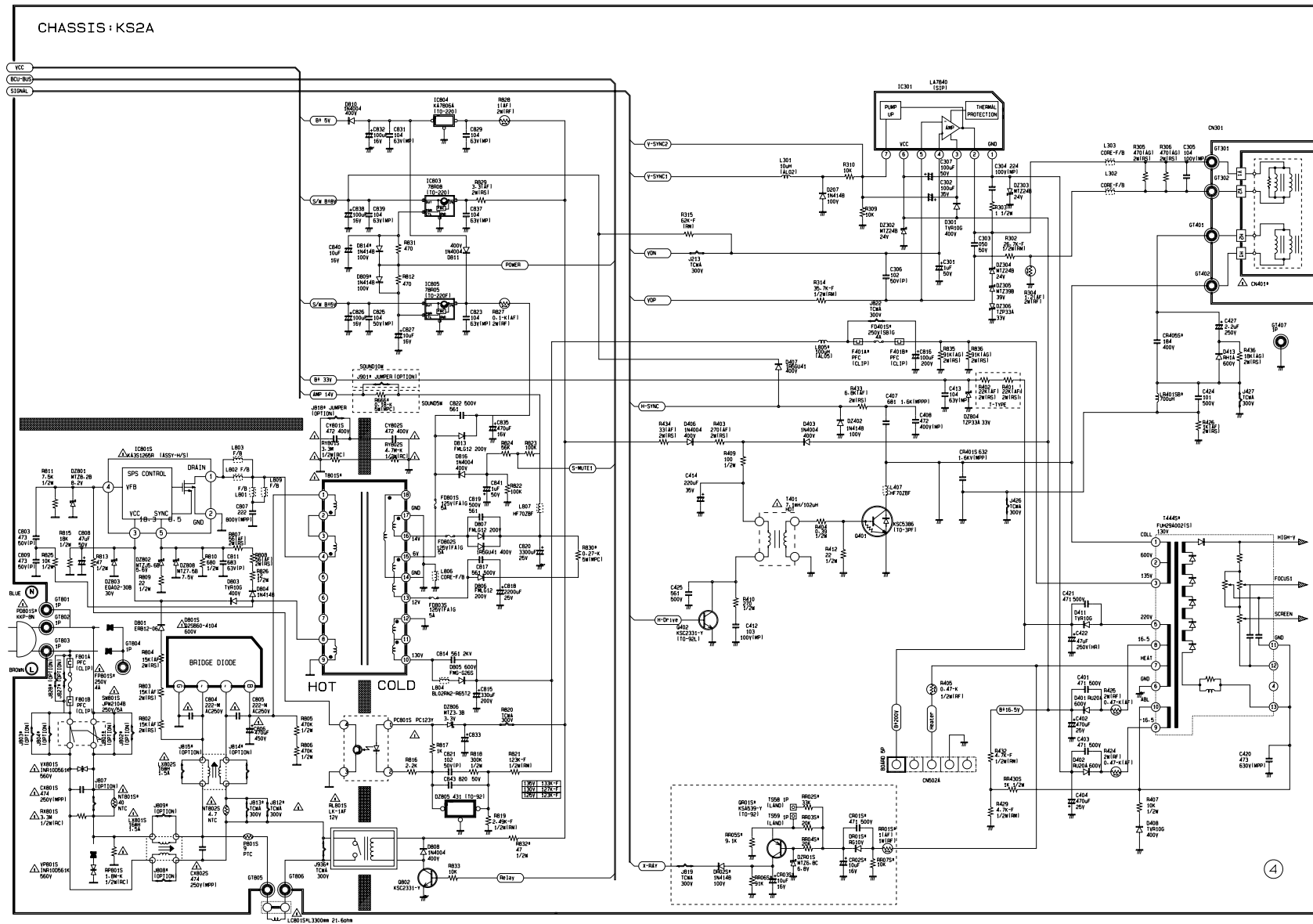
WARNING BEFORE SERVICING THIS CHASSIS READ THE "X-RAY RADIATION PRECAUTION" SAFETY PRECAUTION AND PRODUCT SAFETY NOTICE IN MANUAL.

CAUTION The shaded area in the schematic diagram and the parts list designate components which have special characteristics. Inspect, test, safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing and of these components, read carefully the PRODUCT SAFETY NOTICE in this manual. Do not upgrade the safety of the receiver through improper servicing.

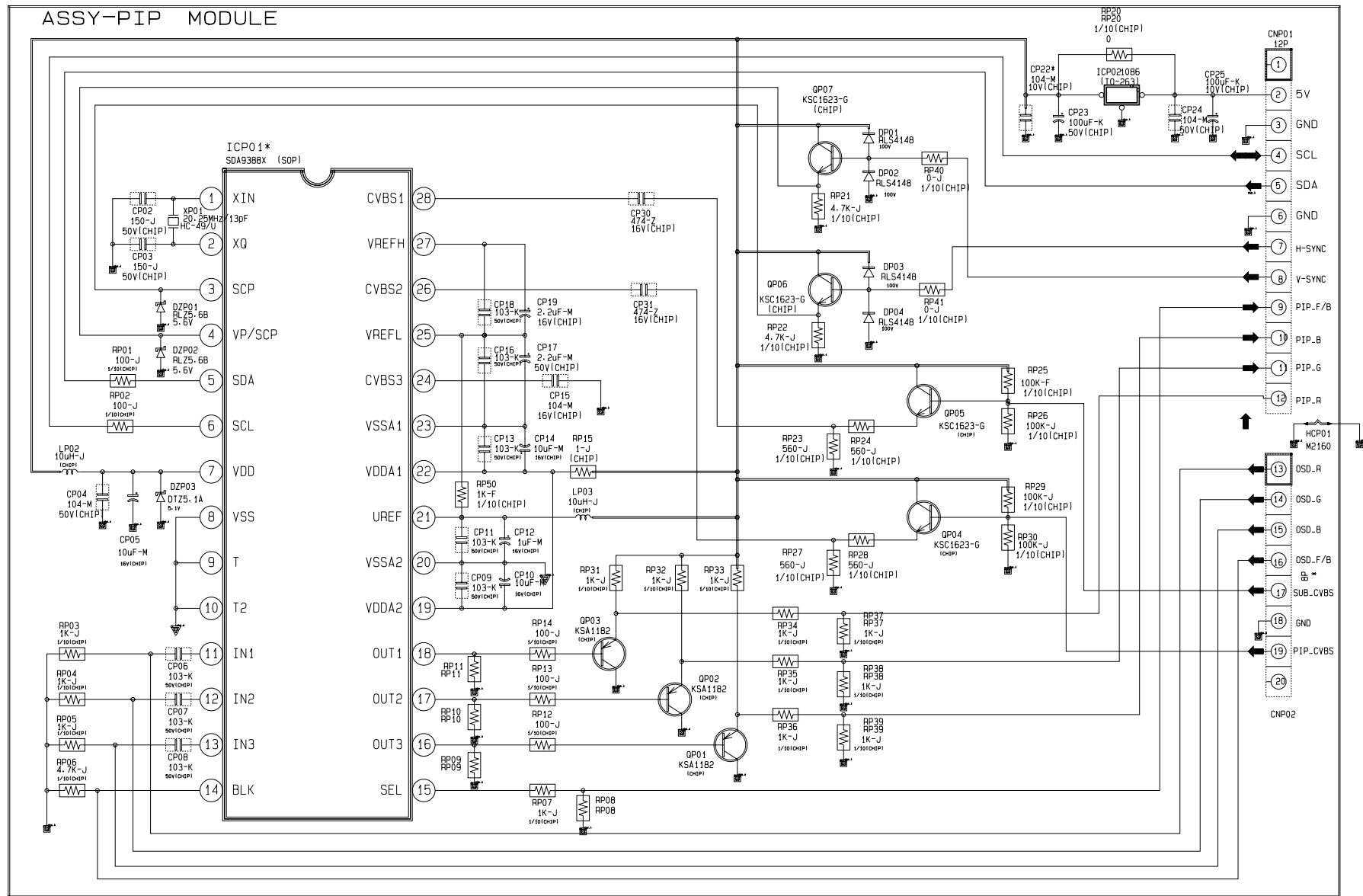


Power Line
Signal Line

10-5 POWER (W/O -EW)



10-6 PIP



10-7 VIDEO SWITCH

